



# New Products

## DECEMBER 2022

EuroClone®

We are continually expanding our portfolio to meet your research needs. *Check out the new products released this month!*

## HOT PRODUCTS

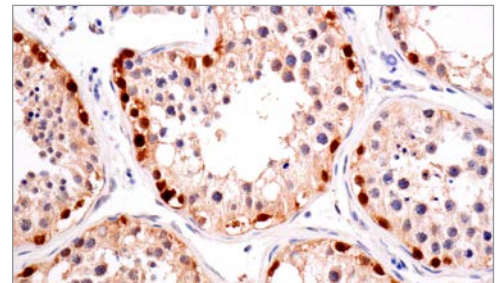
### VHL (E3X9K) Rabbit mAb #81292

#### E3 ligase important for cancer and hypoxia signaling

The VHL (Von Hippel-Lindau) protein is a substrate recognition component of an E3 ubiquitin ligase complex containing Elongin BC (TCEB1 and TCEB2), CUL1, and RBX1.

Loss of VHL protein function results in a dominantly inherited familial cancer syndrome that manifests as angiomas of the retina, hemangioblastomas of the central nervous system, renal clear cell carcinomas, and pheochromocytomas. Under normoxic conditions, VHL directs the ubiquitylation and subsequent proteasomal degradation of the HIF-1 $\alpha$ , maintaining very low levels of HIF-1 $\alpha$  in the cell. Cellular exposure to hypoxic conditions, or loss of VHL protein function, results in increased HIF-1 $\alpha$  protein levels and increased expression of HIF-induced gene products, many of which are angiogenesis factors such as VEGF. Thus, loss of VHL protein function is believed to contribute to the formation of highly vascular neoplasias.

**KEYWORDS:** Ubiquitin/Proteasome, Proteolysis, Cancer, Hypoxia signaling



**IHC-P:** IHC analysis of paraffin-embedded normal human testis using #81292.

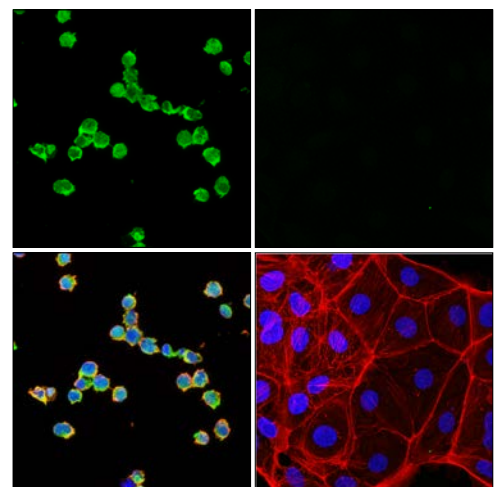
### TFEB (E4I8R) Mouse mAb #91767

#### Transcription factor important for lysosome and autophagy

TFEB is a transcription factor of the Myc-related, bHLH leucine-zipper family member. TFEB specifically recognizes and binds the CLEAR box (GTCACGTGAC) of lysosomal and autophagy genes, resulting in the upregulated expression of genes involved in lysosome biogenesis and function, and regulation of autophagy. TFEB is activated in response to nutrient deprivation, stimulating translocation to the nucleus where it forms homo- or heterooligomers with other members of the MITF subfamily and resulting in upregulation of autophagosomes and lysosomes.

Recently, it has been shown that TFEB is a component of mTORC1, which regulates the phosphorylation and nuclear translocation of TFEB in response to cellular starvation and stress. During normal growth conditions, TFEB is phosphorylated at Ser211 in an mTORC1-dependent manner. Phosphorylation promotes association of TFEB with 14-3-3 family proteins and retention in the cytosol. Inhibition of mTORC1 results in a loss of TFEB phosphorylation, dissociation of the TFEB/14-3-3 complex, and rapid transport of TFEB to the nucleus where it increases transcription of CLEAR and autophagy genes.

**KEYWORDS:** Lysosome, Autophagy, Nutrient

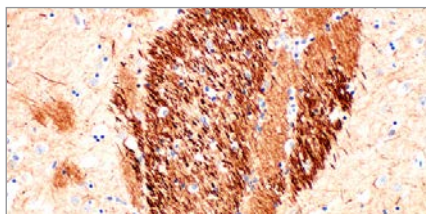


**IF-IC:** Confocal IF analysis of SU-DHL-4 cells (left, positive) and HCC827 cells (right, negative) using #91767 (green), actin filaments (red), and DAPI #4083 (blue).

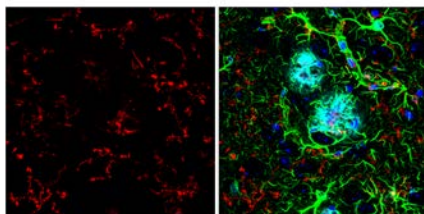
[www.cellsignal.com](http://www.cellsignal.com)



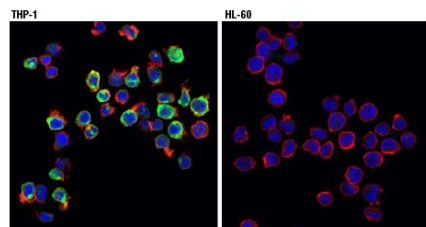
Cell Signaling  
TECHNOLOGY®



Neurofilament-M (E7Y8W) Mouse mAb #53086



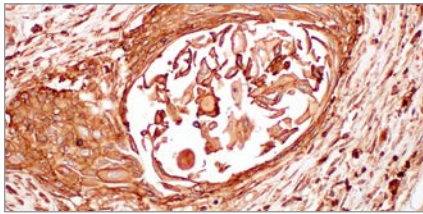
TMEM119 (E4B9S) Mouse mAb #98778



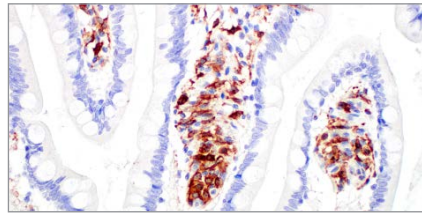
Human TREM2 Activity Antibody Sampler Kit #92114

PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE
<b>Adhesion/ECM</b>			
<b>59648SF</b> Claudin-6 (E7U2O) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H	●
<b>83220S</b> Integrin α1/CD49α (E5D6Q) Rabbit mAb (Alexa Fluor® 488 Conjugate)	FC-L	H	
<b>66653S</b> Integrin α1/CD49α (E5D6Q) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-L	H	
<b>75390S</b> PROS1 (E7F5H) Rabbit mAb	WB	H	
<b>36476SF</b> PSA/KLK3 (D11E1) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H	●
<b>Apoptosis</b>			
<b>66157SF</b> Mcl-1 (D2W9E) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R	●
<b>69006SF</b> N-Myc (D4B2Y) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, (R)	●
<b>Ca, cAMP and Lipid Signaling</b>			
<b>77313S</b> AKAP11 (E9E6W) Rabbit mAb	WB, IP	H, M, R	
<b>Cell Cycle / Checkpoint Control</b>			
<b>39263S</b> DOCK8 (E5Y9C) Rabbit mAb	WB, IP	H, M	
<b>63276S</b> Phospho-Rb (Ser811) (E7F2P) Rabbit mAb	WB	H	
<b>Chromatin Regulation / Nuclear Function</b>			
<b>25069S</b> CBX2 (E3N6A) Rabbit mAb	WB, IP, ChIP, ChIP-seq, C&R	H, M, R, Mk	
<b>73014S</b> CTCF (D31H2) XP® Rabbit mAb (Alexa Fluor® 555 Conjugate)	IF-F, IF-IC	H, M, R, Mk, (B, Hr)	
<b>41490S</b> HAT1 (E7Y8Q) Rabbit mAb	WB, ChIP	H, M, R, Mk	
<b>80523T</b> N6-Methyladenosine (m6A) Binding Protein Antibody Sampler Kit	—	—	
<b>83283S</b> PRMT8 (E2R7O) Rabbit mAb	WB	M, (H)	
<b>Cytoskeletal Signaling</b>			
<b>74874S</b> Cofilin (D3F9) XP® Rabbit mAb (Alexa Fluor® 555 Conjugate)	IF-IC	H, M, R, Mk, Dg	
<b>82007S</b> DYNLL1/LC8 (E6W7R) Rabbit mAb	WB	H, M, R	
<b>77763SF</b> α-Tubulin (T1H1O) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk, Dm, Z, B, Pg, (Dg)	
<b>Developmental Biology</b>			
<b>23083SF</b> CDX2 (D11D1O) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H	
<b>68084SF</b> LEF1 (C12A5) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, M, R	
<b>28002T</b> Pancreatic Marker IHC Antibody Sampler Kit	—	—	
<b>19477S</b> Sall4 (6E3) Mouse mAb	IHC-P	H	
<b>46382S</b> TCF1/TCF7 (C63D9) Rabbit mAb (Alexa Fluor® 532 Conjugate)	FC-FP	H, M	
<b>99188S</b> TLE3 (E4F3Y) Rabbit mAb	WB, IP, IF-IC	H, M, R, Mk	
<b>Infectious Disease</b>			
<b>73039S</b> MERS-CoV Nucleocapsid Protein Antibody	WB	Vir	
<b>MAP Kinase Signaling</b>			
<b>16780S</b> Phospho-MEK1/2 (Ser221) (166F8) Rabbit mAb (Alexa Fluor® 647 Conjugate)	FC-FP	H, M, R, Mk, (Dg)	
<b>48735S</b> Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (197G2) Rabbit mAb (Alexa Fluor® 532 Conjugate)	FC-FP	H, M, R, Mk, Mi, Dm, Z, Pg	
<b>56310S</b> SLMAP (E5F4Y) Rabbit mAb	WB, IP	H, M, R, Mk	
<b>Metabolism</b>			
<b>81977SF</b> 4F2hc/CD98 (D3F9D) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP, FC-L	H	●
<b>31835S</b> Arginase-1 (D4E3M™) XP® Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-FP	H, M, R	
<b>38069S</b> C-Peptide (E7U7F) XP® Rabbit mAb	IHC-P	H	
<b>38069T</b>			
<b>51634S</b> C-Peptide (E9C4P) Rabbit mAb	IHC-P, IF-F	M, R	
<b>85925SF</b> GAPDH (14C1O) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R, Mk, B, Pg, (Pg)	●
<b>85934S</b> Glutaminase-2/GLS2 (E9C7V) Rabbit mAb	WB	H	
<b>56823SF</b> Insulin (C27C9) Rabbit mAb (BSA and Azide Free)	IHC-P, IF-F, IF-IC, FC-FP	H, M, R	●
<b>32683S</b> LAT1/SLC7A5 (E9O4D) Rabbit mAb	WB, IP, IF-IC	H	
<b>57411S</b> LPCAT1 (E4V4B) Rabbit mAb	WB, IP, IHC-P	H	
<b>29302SF</b> Proglucagon (D16G1O) XP® Rabbit mAb (BSA and Azide Free)	IHC-P, IF-F	H, M, R	●

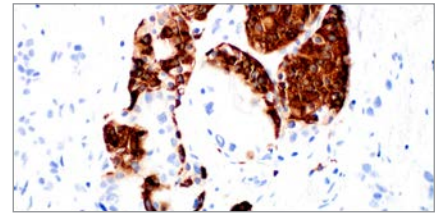




MHC Class I (EMR8-5) Mouse mAb #88274

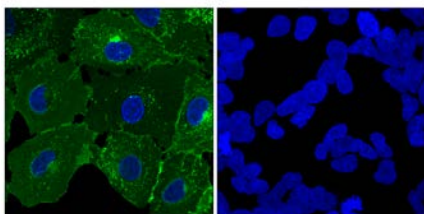


Siglec-10 (E1D7S) XP® Rabbit mAb #74799

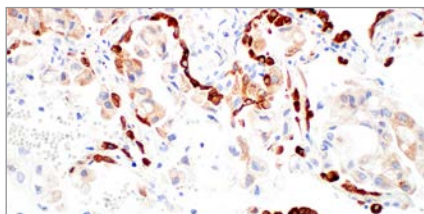


C-Peptide (E7U7F) XP® Rabbit mAb #38069

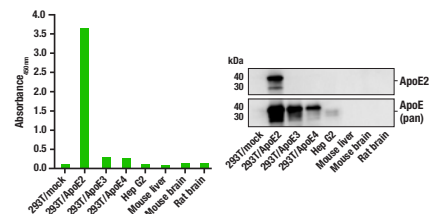
PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE
<b>Immunology and Inflammation</b>			
<b>37953SF</b> ASC/TMS1 (D2W8U) Rabbit mAb (Mouse Specific) (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	M	●
<b>42879SF</b> Btk (D6T2C) Mouse mAb (BSA and Azide Free)	WB, FC-FP	H, M	●
<b>19673SF</b> CD7 (E4G1Q) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H	●
<b>36769SF</b> CD11a (E5S9K) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H	●
<b>87823SF</b> CD28 (D2Z4E) Rabbit mAb (BSA and Azide Free)	WB, IF-F	H, M	●
<b>80519S</b> CD84 (E4F2N) Rabbit mAb	WB, IP	M	
<b>75126S</b> CD235a/Glycophorin A (JC159) Rabbit mAb	IHC-P	H	
<b>66110SF</b> CRACC/SLAMF7/CD319 (E5C4M) Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H	●
<b>16049S</b> Crry (E9M7T) Rabbit mAb	IF-F, IF-IC	M	
<b>78862S</b> CXCR5 (E3G3A) Rabbit mAb	FC-L	M	
<b>23042S</b> Dectin-1 Antibody	WB	M	
<b>38013S</b> Phospho-Fgr (Tyr412) (E3R7L) Rabbit mAb	WB	H	
<b>63670SF</b> G4S Linker (E7O2V) Rabbit mAb (BSA and Azide Free)	FC-L	All	●
<b>71325SF</b> Galectin-9 (D9R4A) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P, FC-FP	H	●
<b>18670SF</b> COS (E5F7E) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F	M, R	●
<b>92633S</b> IFIT2 Antibody	WB	H	●
<b>61166SF</b> Phospho-IRF-3 (Ser396) (D6O1M) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R	
<b>60615S</b> IRF-6 (E5C5D) Rabbit mAb	WB, IP, IF-IC	H	●
<b>88077S</b> Phospho-LAT (Tyr161) (E9Q2R) Rabbit mAb	WB, IP	H	
<b>40415T</b> MAVS Signalosome Antibody Sampler Kit	—	—	
<b>88274S</b> MHC Class I (EMR8-5) Mouse mAb	WB, IHC-P, FC-FP	H	
<b>87008SF</b> MIF (E7T1W) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H, M, R	
<b>83962S</b> Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb (Alexa Fluor® 750 Conjugate)	FC-FP	H, M, R, Hm, Mk, Pg, (Dg)	●
<b>41317SF</b> Phospho-NF-κB p105 (Ser932) (178F3) Rabbit mAb (IHC Specific) (BSA and Azide Free)	IHC-P	H	
<b>66115SF</b> NTAL/LAB (D7I2B) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H	●
<b>64714SF</b> PD-L2 (D6L5A) Rabbit mAb (BSA and Azide Free)	IHC-LB, IHC-P	M, (Pg)	●
<b>88499S</b> PDE12 (E2V7J) Rabbit mAb	WB	H, M, (B, Dg, Pg)	●
<b>82000S</b> c-Rel (E8Z5Y) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, FC-FP	H	
<b>82000T</b>			
<b>74799S</b> Siglec-10 (E1D7S) XP® Rabbit mAb	WB, IHC-P	H	
<b>74799T</b>			
<b>76285S</b> Phospho-Stat1 (Tyr701) (S8D6) Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-FP	H, M	
<b>16185S</b> Phospho-Stat3 (Tyr705) (D3A7) XP® Rabbit mAb (Alexa Fluor® 700 Conjugate)	FC-FP	H, M, R, Mk, (Hm, B, Pg, Hr, Rab)	
<b>50804SF</b> Phospho-Stat3 (Ser727) (D4X3C) Rabbit mAb (BSA and Azide Free)	IF-IC, FC-FP	H, (M, R)	●
<b>42353SF</b> Phospho-Stat4 (Tyr693) (D2E4) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, (M, R, Mk, Pg)	●
<b>72712SF</b> Phospho-Stat5 (Tyr694) (D47E7) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, (R, B)	●
<b>46186SF</b> Phospho-Stat6 (Tyr641) (D8S9Y) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, (R)	●
<b>71543SF</b> TBK1/NAK (E8I3G) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	H, M, R	●
<b>71010SF</b> TIM-1 (E1R9N) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H	●
<b>66159SF</b> Whitlow/218 Linker (E3U7Q) Rabbit mAb (BSA and Azide Free)	FC-L	All	●
<b>33750S</b> ZAP (E5V4D) Rabbit mAb	WB	H, M, R	
<b>51593S</b> ZAP (E7E8D) Rabbit mAb	WB, IP	H	



LAT1/SLC7A5 (E9O4D) Rabbit mAb #32683



LPCAT1 (E4V4B) Rabbit mAb #57411



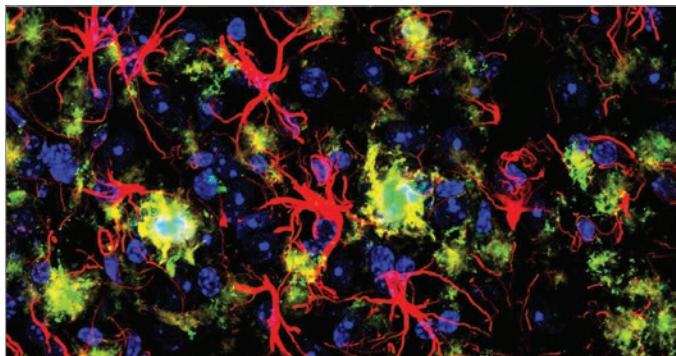
PathScan® ApoE2 Sandwich ELISA Kit #91899

PRODUCT	APPLICATIONS	REACTIVITY	CARRIER-FREE
<b>Motif Antibodies</b>			
<b>59524S</b> PTMScan® Control Peptides Phospho-Enrichment IMAC	—	—	
<b>Neuroscience</b>			
<b>91899C</b> PathScan® ApoE2 Sandwich ELISA Kit	ELISA	H	
<b>95995S</b> Phospho-CREB (Ser133) (87G3) Rabbit mAb (PE-Cy7® Conjugate)	FC-FP	H, M, R, (Z)	
<b>85068S</b> KISS1 (E4N8S) Rabbit mAb	WB, IF-IC	H	
<b>83820S</b> LAPTM5 (E7D5O) Rabbit mAb	WB, IHC-P	M	
<b>53086S</b> Neurofilament-M (E7Y8W) Mouse mAb	WB, IHC-P, IF-F, IF-IC	H, M, R	
<b>34745S</b> Neurofilament-M (E9N8K) Mouse mAb	WB, IF-F, IF-IC	H, M, R	
<b>46333SF</b> p75NTR (D4B3) XP® Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-L	H, M, R	●
<b>15641S</b> PTPRZ1 (E7C8Z) Rabbit mAb	IHC-P	H, M	
<b>26278S</b> β-Synuclein (E9R3I) Rabbit mAb	WB, IP	H, M, R	
<b>98778S</b> TMEM119 (E4B9S) Mouse mAb	IF-F	M	
<b>59621S</b> TREM2 (E9O9F) Rabbit mAb	WB	M	
<b>92114T</b> Human TREM2 Activity Antibody Sampler Kit	—	H	
<b>98240T</b> Mouse TREM2 Activity Antibody Sampler Kit	—	M	
<b>Nuclear Receptor Signaling</b>			
<b>19632C</b> PathScan® Phospho-Androgen Receptor (Ser258) Sandwich ELISA Kit	ELISA	H	
<b>PI3K / Akt Signaling</b>			
<b>26580S</b> Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb (Alexa Fluor® 532 Conjugate)	FC-FP	H, M, R, Hm, Mk, Dm, Z, B, (C, X, Dg, Pg)	
<b>Protein Folding and Trafficking</b>			
<b>63411SF</b> BiP (C50B12) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, FC-FP	H, M	●
<b>51509S</b> GAK (E7W7Z) Rabbit mAb	WB, IP	H, M, R, Mk	
<b>RTK</b>			
<b>93186SF</b> EGF Receptor vIII (D6T2Q) XP® Rabbit mAb (BSA and Azide Free)	IHC-P, IF-IC	H	●
<b>19783SF</b> HER2/ErbB2 (29D8) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, (R)	●
<b>48019SF</b> Met (L6E7) Mouse mAb (BSA and Azide Free)	IF-IC, FC-FP, FC-L	H	●
<b>Translational Control</b>			
<b>91767S</b> TFEB (E418R) Mouse mAb	WB, IP, IF-IC	H	
<b>97935S</b> Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb (Alexa Fluor® 532 Conjugate)	FC-FP	H, M, R, Mk, Mi, Sc, (C, Pg)	
<b>Ubiquitin and Ubiquitin-like Proteins</b>			
<b>60702S</b> UCHL1 (E6B8E) Mouse mAb	WB, IF-F, IF-IC	H, M, R, Mk	
<b>81292S</b> VHL (E3X9K) Rabbit mAb	IHC-LB, IHC-P	H, M	
<b>Related Products</b>			
<b>98605SF</b> Cas9 (S. pyogenes) (E7M1H) XP® Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	All	●
<b>48713S</b> Human G-CSF Recombinant Protein	—	—	
<b>72306S</b> Human GDF5 Recombinant Protein	—	—	
<b>86907S</b> Human/Mouse/Rat GDF11 Recombinant Protein	—	—	
<b>34117S</b> Human Growth Hormone Recombinant Protein	—	—	
<b>86124SF</b> HA-Tag (C29F4) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	All	
<b>58009SF</b> V5-Tag (D3H8Q) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	All	●
<b>40099SF</b> V5-Tag (E9H8O) Mouse mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	All	●
<b>44695S</b> Human WISP2 Recombinant Protein	—	—	●





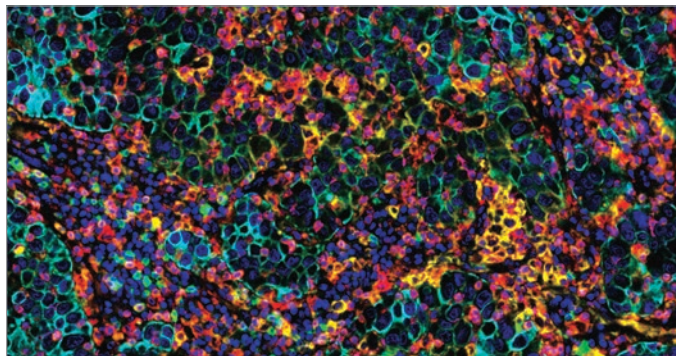
# What's New at CST



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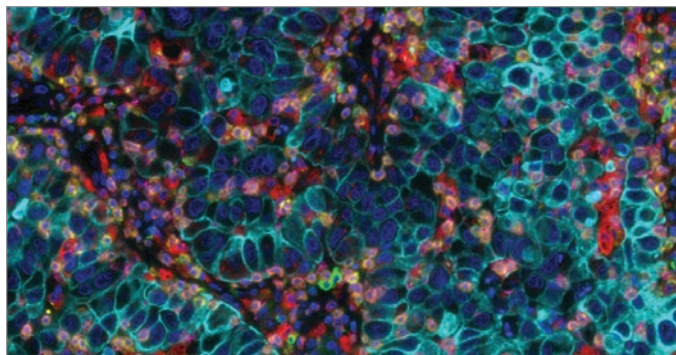
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