



# New Products

APRIL 2023

EuroClone®

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

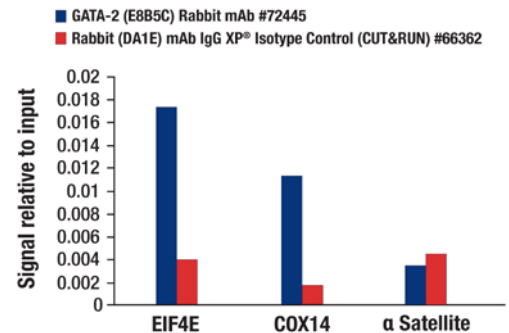
## HOT PRODUCTS

### GATA-2 (E8B5C) Rabbit mAb #72445

#### Transcription factor important for development

The zinc finger transcription factor GATA-2 is widely expressed and plays an essential role in many developmental processes. Studies on GATA-2 knockout mice indicate that this protein is required in hematopoiesis. GATA-2 also inhibits the differentiation of white and brown adipocytes and has been shown to suppress the proliferation of neuronal progenitor cells.

**KEYWORDS:** Development, Progenitor cell



**C&R:** CUT&RUN was performed with K-562 cells and either #72445 or Rabbit (DA1E) mAb IgG XP® Isotype Control (CUT&RUN) #66362, using CUT&RUN Assay Kit #86652. The enriched DNA was quantified by real-time PCR using human EIF4E promoter primers, human COX14 promoter primers, and SimpleChIP® Human α Satellite Repeat Primers #4486. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.

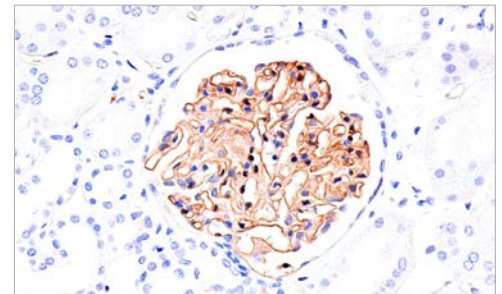
### Claudin-5 (E5D9Y) Rabbit mAb #66879

#### Tight junction component proteins regulating the blood-brain barrier

Tight junctions, or zonula occludens, form a continuous barrier to fluids across the epithelium and endothelium. They function in regulation of paracellular permeability and in the maintenance of cell polarity, blocking the movement of transmembrane proteins between the apical and the basolateral cell surfaces. Tight junctions are composed of claudin and occludin proteins, which join the junctions to the cytoskeleton. The claudin family is composed of 23 integral membrane proteins, and their expression, which varies among tissue types, may determine both the strength and properties of the epithelial barrier.

Claudin-5, highly expressed in brain and lung tissue, is a primary component of the tight junctions of blood-brain barrier endothelial cells. Claudin-5 is also thought to regulate tumor cell motility brain metastasis.

**KEYWORDS:** Tight junction, Blood-brain barrier, Cancer



**IHC-P:** IHC analysis of paraffin-embedded normal human kidney using #66879



PRODUCT	APPLICATIONS	REACTIVITY
<b>Adhesion/ECM</b>		
<b>42738SF</b> CEA/CD66e (CB30) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H
<b>66879S</b> Claudin-5 (E5D9Y) Rabbit mAb	WB, IP, IHC-P	H, M
<b>88970S</b> Desmoglein 2 (8E5) Mouse mAb	WB, IF-IC	H
<b>68836S</b> $\beta$ -Dystroglycan (E3Z8H) Rabbit mAb	WB	H
<b>72927SF</b> Integrin $\beta$ 1 (D2E5) Rabbit mAb (BSA and Azide Free)	WB, IHC-P	H
<b>20246SF</b> MUC1 (D9O8K) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP, FC-L	H
<b>Apoptosis</b>		
<b>62147SF</b> AIF (D39D2) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC	H, M, R, Mk, (B, Dg)
<b>32205S</b> ARH3 (E8A6G) Rabbit mAb	WB	H, M, R
<b>48382S</b> Bcl-xL (54H6) Rabbit mAb (Alexa Fluor <sup>®</sup> 700 Conjugate)	FC-FP	H, M, R, Mk
<b>81295SF</b> RIP (E8S7U) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H
<b>56622SF</b> Survivin (71G4B7) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP	H, M, R
<b>Cell Cycle / Checkpoint Control</b>		
<b>30875SF</b> CDK2 (78B2) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H, M, R, Mk
<b>44203SF</b> Geminin (E5Q9S) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H, Mk
<b>24263S</b> p63- $\alpha$ (D2K8X) XP <sup>®</sup> Rabbit mAb (Alexa Fluor <sup>®</sup> 647 Conjugate)	FC-FP	H
<b>81403S</b> Phospho-Rb (Thr356) (E3P9O) Rabbit mAb	WB, IP	H
<b>54033SF</b> RRM2 (E7Y9J) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC	H
<b>Chromatin Regulation / Nuclear Function</b>		
<b>56844S</b> APOBEC3A (E6K2O) Rabbit mAb	WB	H
<b>33209SF</b> AsCpf1/Cas12a (Strain BV3L6) (E1U7C) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP	All
<b>72635SF</b> MeCP2 (D4F3) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP	H, M, R, Mk
<b>49114S</b> UHRF2 (E5G5P) Rabbit mAb	WB, IP	H, Mk
<b>Cytoskeletal Signaling</b>		
<b>65969S</b> TGN2/TGN38 (E2T4P) Rabbit mAb	WB, IP, IF-F, IF-IC	M
<b>Developmental Biology</b>		
<b>34396SF</b> $\beta$ -Catenin (L54E2) Mouse mAb (BSA and Azide Free)	IF-IC, FC-FP	H, (M, R, Pg)
<b>72445S</b> GATA-2 (E8B5C) Rabbit mAb	WB, IP, IHC-P, IF-IC, CHIP, ChIP-seq, C&R	H
<b>27870S</b> PHOX2B (E4Q9R) Rabbit mAb	WB, IP, IF-IC	H, M
<b>38561SF</b> POU2F3 (E5N2D) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-LB, IHC-P	H
<b>87592S</b> TRIB1 (E6M3T) Rabbit mAb	WB, IP	H
<b>89585S</b> ZSCAN4 (E9Z7B) Rabbit mAb	WB	H
<b>Immunology and Inflammation</b>		
<b>55914S</b> Cathepsin L (E3R3P) Rabbit mAb	WB, IHC-P, IF-IC	H, M
<b>37414S</b> CD1C (E6C9A) Mouse mAb	WB	H
<b>89685S</b> CXCR4 (E9G2E) Rabbit mAb	FC-L	H
<b>17621S</b> G4S Linker (E7O2V) Rabbit mAb (Biotinylated)	FC-L	All
<b>65883S</b> G-CSF (E9S2E) Rabbit mAb	WB	H
<b>35909S</b> IFI35 (E3A8S) Rabbit mAb	WB	H
<b>46331S</b> Ikaros (D6N9Y) Rabbit mAb (Alexa Fluor <sup>®</sup> 700 Conjugate)	FC-FP	H, M
<b>48222SF</b> IRAK1 (D51G7) Rabbit mAb (BSA and Azide Free)	WB, FC-FP	H, M, Mk
<b>48886S</b> IRF-5 (E7F9W) Rabbit mAb (Alexa Fluor <sup>®</sup> 488 Conjugate)	IF-IC, FC-FP	H
<b>98947S</b> LYVE-1 (E5P8S) Rabbit mAb	WB, IP, IHC-P	M
<b>48313SF</b> Phospho-Stat3 (Tyr705) (3E2) Mouse mAb (BSA and Azide Free)	WB, FC-FP	H, M, R, Mk, (B)
<b>59946SF</b> Syk (D1I5Q) Rabbit mAb (BSA and Azide Free)	WB, IF-IC	H, M, R
<b>16355SF</b> Tox (E5J8A) Rabbit mAb (BSA and Azide Free)	IF-IC, FC-FP	H
<b>32523S</b> Whitlow/218 Linker (E3U7Q) Rabbit mAb (Biotinylated)	FC-L	All



PRODUCT	APPLICATIONS	REACTIVITY
<b>MAP Kinase Signaling</b>		
<b>24678SF</b>	Phospho-p38 MAPK (Thr180/Tyr182) (28B10) Mouse mAb (BSA and Azide Free)	WB, IF-IC, FC-FP
<b>78241SF</b>	p44/42 MAPK (Erk1/2) (L34F12) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-IC
<b>Metabolism</b>		
<b>49874S</b>	ALOX12 (E3O9P) Rabbit mAb	WB
<b>10478S</b>	dCK Antibody	WB, IP
<b>40371S</b>	Phospho-dCK (Ser74) Antibody	WB
<b>28402SF</b>	FABP5 (D1A7T) Rabbit mAb (BSA and Azide Free)	WB, IHC-P
<b>92310SF</b>	GAPDH (D16H11) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC
<b>52183S</b>	GCLC (E2Y7D) Rabbit mAb	WB, IF-IC
<b>20226S</b>	MMD (E4U4G) Rabbit mAb	WB, IP
<b>Motif Antibodies</b>		
<b>80379SF</b>	Phospho-Tyrosine Mouse mAb (P-Tyr-100) (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC, FC-FP, E-P
<b>Neuroscience</b>		
<b>72738SF</b>	$\beta$ -Amyloid (1-40) (D8Q7I) Rabbit mAb (BSA and Azide Free)	WB, IF-F
<b>29691SF</b>	$\beta$ -Amyloid (1-43) (E8C2D) Rabbit mAb (BSA and Azide Free)	WB, IF-F
<b>37372SF</b>	$\beta$ -Amyloid (D3D2N) Mouse mAb (BSA and Azide Free)	WB, IHC-P, IF-F
<b>51765SF</b>	CNPase (D83E10) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IF-F
<b>90488S</b>	GPC2 (CT3) Mouse mAb	WB, IHC-P, IF-IC, FC-L
<b>90604S</b>	MAP1B (E8S8R) Rabbit mAb	WB, IP
<b>80531S</b>	MAP1B (E8S8R) Rabbit mAb (IF Formulated)	IHC-P, IF-F, IF-IC
<b>36593SF</b>	PLP1 (E9V1N) Rabbit mAb (BSA and Azide Free)	WB, IF-F
<b>19558SF</b>	PTPRZ1 (E7C8Z) Rabbit mAb (BSA and Azide Free)	IHC-P
<b>69973SF</b>	$\alpha$ -Synuclein (D37A6) Rabbit mAb (BSA and Azide Free)	WB, IF-F
<b>Nuclear Receptor Signaling</b>		
<b>44646S</b>	PXR (E4S1W) Rabbit mAb	WB, IP
<b>PI3K / Akt Signaling</b>		
<b>92982SF</b>	Phospho-Akt (Ser473) (I93H12) Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP
<b>46835SF</b>	GSK-3 $\beta$ (3D10) Mouse mAb (BSA and Azide Free)	WB, IF-IC, FC-FP
<b>79774SF</b>	Phospho-GSK-3 $\beta$ (Ser9) (D85E12) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IF-IC, FC-FP
<b>Protein Folding and Trafficking</b>		
<b>55521S</b>	AP2A2 (E9Q1O) Rabbit mAb	WB
<b>56658SF</b>	HSP60 (D6F1) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-IC, FC-FP
<b>69463SF</b>	LIMP-2/SCARB2 (E2Z5F) Rabbit mAb (BSA and Azide Free)	WB, IF-F, IF-IC
<b>92728SF</b>	Prostate Specific Membrane Antigen (D718E) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IHC-P
<b>41248SF</b>	Rab7 (D95F2) XP <sup>®</sup> Rabbit mAb (BSA and Azide Free)	WB, IF-IC
<b>RTK</b>		
<b>46879S</b>	Basic FGF (E5Y6M) Rabbit mAb	WB, IHC-P, IF-IC
<b>56596SF</b>	Ref (E1N9A) Rabbit mAb (BSA and Azide Free)	WB, FC-FP
<b>71866S</b>	Phospho-ROS1 (Tyr2274/2334) (E8F5J) Rabbit mAb	WB
<b>28521SF</b>	VEGF Receptor 2 (55B11) Rabbit mAb (BSA and Azide Free)	WB, IHC-P, IF-F, IF-IC
<b>Ubiquitin and Ubiquitin-like proteins</b>		
<b>27249S</b>	Sharpin (E5V9L) Rabbit mAb	WB
<b>70990SF</b>	Ubiquitin (P4D1) Mouse mAb (BSA and Azide Free)	WB, IHC-P
<b>82127SF</b>	VHL (E3X9K) Rabbit mAb (BSA and Azide Free)	IHC-LB, IHC-P
<b>41182S</b>	WWP2 (E8W8A) Rabbit mAb	WB
<b>Related Products</b>		
<b>17561S</b>	HA-Tag (C29F4) Rabbit mAb (Alexa Fluor <sup>®</sup> 700 Conjugate)	FC-FP



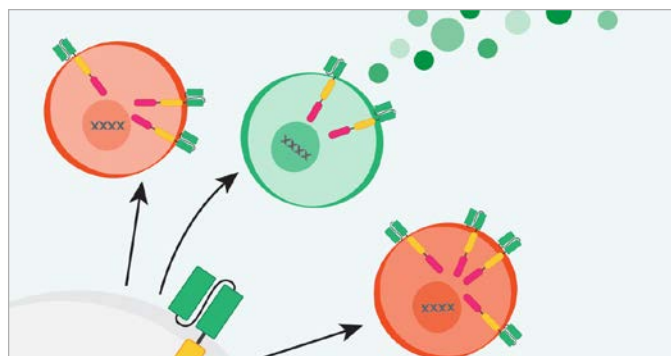
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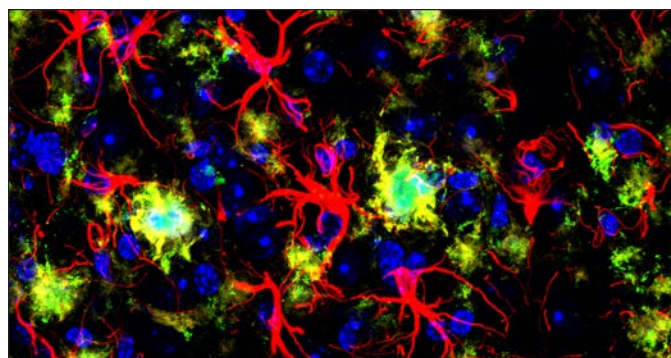
[cst-science.com/Q2-2023-info2](https://cst-science.com/Q2-2023-info2)



## CUT&RUN Protocol Video

Watch the new, step-by-step CUT&RUN protocol video for everything you need to build your confidence and start mapping protein-DNA interactions in your samples. This video includes expert advice on experimental design and tips for success..

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