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anti-RGS3 antibody (C-Term)

Images



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Quantity:	100 μg
Target:	RGS3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	An amino acid sequence from the C-terminus of mouse Regulator of G Protein Signaling 3
	(DSYTREHTKENLQSITR) was used as the immunogen for this RGS3 antibody (100% rat
	homology).
Isotype:	IgG
Purification:	Antigen affinity
Target Details	
Target:	RGS3
Alternative Name:	RGS3 (RGS3 Products)
Background:	Regulator of G Protein Signaling 3 is a protein that in humans is encoded by the RGS3 gene.
	Chatterjee et al.(1997) studied RGS3, the largest member of the RGS family then identified.

Mouse Pdz-Rgs3 can mediate signaling from the ephrin-B cytoplasmic tail. By radiation hybrid mapping, Chatterjee et al.(1997) assigned the gene to chromosome 9q31-q33. Lu et al.(2001) showed that Sdf1, a chemokine with a G protein-coupled receptor, and Bdnf are chemoattractants for cerebellar granule cells, and that Sdf1 chemoattraction is selectively inhibited by soluble ephrin-B receptor. This inhibition could be blocked by a truncated Pdz-Rgs3 protein lacking the RGS domain.

UniProt: Q9DC04

Pathways: Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein

Signaling

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the RGS3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

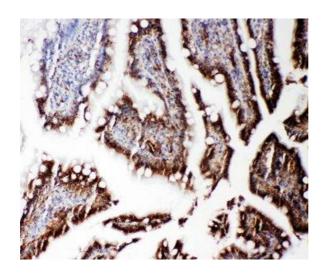
Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the RGS3 antibody can be stored for up to one month at 4°C. For long-term,

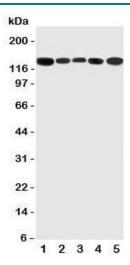
aliquot and store at -20°C. Avoid repeated freezing and thawing.

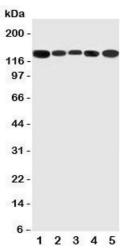
Images



Immunohistochemistry

Image 1. IHC-P: RGS3 antibody testing of rat intestine tissue





Western Blotting

Image 2. Western blot testing of RGS3 antibody and Lane 1: rat testis; 2: (r) brain; 3: (r) spleen; 4: human HeLa; 5: (h) U87 cell lysate

Western Blotting

Image 3. Western blot testing of RGS3 antibody and Lane 1: rat testis