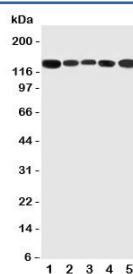


RGS3 Antibody (R31161)

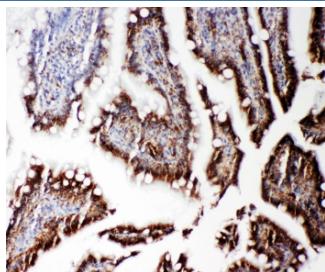
Catalog No.	Formulation	Size
R31161	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9DC04
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This RGS3 antibody is available for research use only.



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



IHC-P: RGS3 antibody testing of rat intestine tissue

Description

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.

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.

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).

Storage

After reconstitution, the RGS3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.