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anti-RGS7 antibody (C-Term)

Images



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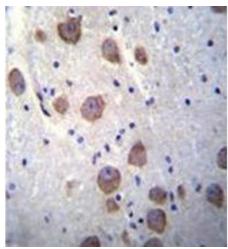
Quantity:	0.4 mL
Target:	RGS7
Binding Specificity:	AA 447-477, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 447-477 amino acids from the C-terminal region of Human RGS7. Genename: RGS7
Isotype:	lg Fraction
Specificity:	This antibody recognizes Human RGS7 (C-term).
Purification:	Affinity Chromatography on Protein A
Target Details	
Target:	RGS7

Target Details

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Background:	RGS7 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/GNG5 dimer. May play a role in synaptic vesicle exocytosis. May play important role in the rapid regulation of neuronal excitability and the cellular responses to short-lived stimulations (By similarity). Synonyms: Regulator of G-protein signaling 7
Molecular Weight:	57668 Da
Gene ID:	6000
NCBI Accession:	NP_002915
Pathways:	Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



K562 95 72_ 55_-36 28

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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin fixed, paraffin embedded human brain tissue stained with RGS7 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RGS7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of RGS7 Antibody (C-term) Cat.-No AP53653PU-N in K562 cell line lysates (35ug/lane). This demonstrates the RGS7 antibody detected the RGS7 protein (arrow).