

Datasheet for ABIN2775599
anti-RGS7 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	RGS7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of mouse Rgs7
Sequence:	MAQGNNYGQT SNGVADESPN MLVYRKMEDV IARMQDEKNG IPIRTVKSFL
Predicted Reactivity:	Cow: 100%, Human: 100%, Mouse: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against Rgs7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	RGS7
Alternative Name:	Rgs7 (RGS7 Products)

Target Details

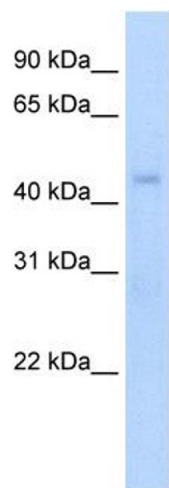
Background:	<p>Rgs7 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/GNG5 dimer. It may play an important role in the rapid regulation of neuronal excitability and the cellular responses to short-lived stimulations and in synaptic vesicle exocytosis</p> <p>Protein Interaction Partner: Rgs7bp, Protein Size: 469</p>
Molecular Weight:	52 kDa
Gene ID:	24012
NCBI Accession:	NM_011880 , NP_036010
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 469 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-Rgs7 Antibody Titration:
5.0ug/ml Positive Control: NIH/3T3 cell lysate