

RGNEF Rabbit pAb

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Catalog # AP57686

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N1W1
Predicted	Rat, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	191891
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RGNEF
Epitope Specificity	1001-1100/1705
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Cell membrane. Colocalizes with the microtubule radial and cortical systems.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the Rho guanine nucleotide exchange factor family. The encoded protein interacts with low molecular weight neurofilament mRNA and may be involved in the formation of amyotrophic lateral sclerosis neurofilament aggregates. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]

Additional Information

Gene ID	64283
Other Names	Rho guanine nucleotide exchange factor 28, 190 kDa guanine nucleotide exchange factor, p190-RhoGEF, p190RhoGEF, Rho guanine nucleotide exchange factor, ARHGEF28, KIAA1998, RGNEF
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ARHGEF28
Synonyms	KIAA1998, RGNEF
Function	Functions as a RHOA-specific guanine nucleotide exchange factor regulating signaling pathways downstream of integrins and growth factor receptors. Functions in axonal branching, synapse formation and dendritic morphogenesis. Also functions in focal adhesion formation, cell motility and B-lymphocytes activation. May regulate NEFL expression and aggregation and play a role in apoptosis (By similarity).
Cellular Location	Cytoplasm. Cell membrane. Note=Colocalizes with the microtubule radial and cortical systems.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.