



RGRF1 Polyclonal Antibody

Catalog No	YP-Ab-07876
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	RASGRF1 CDC25 GNRP GRF1
Protein Name	Ras-specific guanine nucleotide-releasing factor 1 (Ras-GRF1) (Guanine nucleotide-releasing protein) (GNRP) (Ras-specific nucleotide exchange factor CDC25)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	RGRF1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	140kD
Cell Pathway	intracellular,cytosol,plasma membrane,growth cone,neuron projection,
Tissue Specificity	Brain,Thalamus,
Function	domain:The DH (DBL-homology) domain mediates interaction with RASGRF2.,function:Promotes the exchange of Ras-bound GDP by GTP.,PTM:Ubiquitinated.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 IQ domain.,similarity:Contains 1 N-terminal Ras-GEF domain.,similarity:Contains 1 Ras-GEF domain.,similarity:Contains 2 PH domains.,subunit:Homooligomer and heterooligomer with RASGRF2. Interacts with USP8, thereby regulating its stability.,
Background	The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) similar to the <i>Saccharomyces cerevisiae</i> CDC25 gene product. Functional analysis has demonstrated that this protein stimulates the dissociation of GDP from RAS protein. The studies of the similar gene in mouse suggested that the Ras-GEF activity of this protein in brain can be activated by Ca ²⁺ influx, muscarinic receptors, and G protein beta-gamma subunit. Mouse studies also indicated that the Ras-GEF signaling pathway mediated by this protein may be

important for long-term memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Mar 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images