



RGRF1 Polyclonal Antibody

Catalog No	YP-Ab-07876
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	RASGRF1 CDC25 GNRP GRF1
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	CDC25;CDC25L;GNRP;GRF1;GRF55;H-GRF55;PP13187;ras-GRF1;P14 RAS-GRF;RGRF1_HUMAN;RASGRF1;Guanine nucleotide-releasing protein (GNRP); Ras-specific nucleotide exchange factor CDC25;RGRF1_RAT;Ras protein specific guanine nucleotide releasing factor 1;CDC25 like (S. cerevisiae);RGRF1; RASGRF1 CDC25 GNRP GRF1;Ras-specific guanine nucleotide-releasing factor 1 (Ras-GRF1) (Guanine nucleotide-releasing protein) (GNRP) (Ras-specific nucleotide exchange factor CDC25)
Observed Band	140kD
Calculated Molecular Weight	145 kDa
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 *Saccharomyces cerevisiae* 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