

## RGRF1 Polyclonal Antibody

<b>Catalog No :</b>	YN3032
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	RGRF1
<b>Fields :</b>	>>MAPK signaling pathway;>>Ras signaling pathway;>>Focal adhesion
<b>Gene Name :</b>	RASGRF1 CDC25 GNRP GRF1
<b>Protein Name :</b>	Ras-specific guanine nucleotide-releasing factor 1 (Ras-GRF1) (Guanine nucleotide-releasing protein) (GNRP) (Ras-specific nucleotide exchange factor CDC25)
<b>Human Gene Id :</b>	5923
<b>Human Swiss Prot No :</b>	Q13972
<b>Mouse Swiss Prot No :</b>	P27671
<b>Rat Swiss Prot No :</b>	P28818
<b>Immunogen :</b>	Synthesized peptide derived from part region of human protein
<b>Specificity :</b>	RGRF1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

---

<b>Storage Stability :</b>	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
<b>Observed Band :</b>	<u>140kD</u>
<b>Cell Pathway :</b>	<u>MAPK_ERK_Growth;MAPK_G_Protein;Focal adhesion;</u>
<b>Background :</b>	<u>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<sup>2+</sup> 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],</u>
<b>Function :</b>	<u>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.,</u>
<b>Subcellular Location :</b>	<u>intracellular,cytosol,plasma membrane,growth cone,neuron projection,</u>
<b>Expression :</b>	<u>Brain,Thalamus,</u>
<b>Sort :</b>	<u>21271</u>
<b>No4 :</b>	<u>1</u>
<b>Host :</b>	<u>Rabbit</u>
<b>Modifications :</b>	<u>Unmodified</u>

## Products Images