

Rabbit anti-Human, Mouse RASGRF1 Polyclonal Antibody | anti-RASGRF1 antibody

RASGRF1 Polyclonal Antibody

CATALOG # AAA279577	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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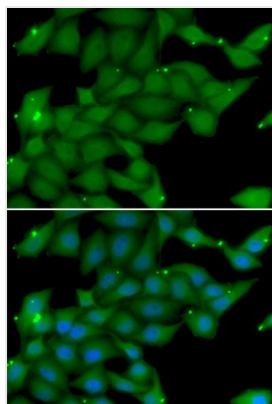
PRODUCT SYNONYMS

RASGRF1; Polyclonal Antibody; RASGRF1 Polyclonal Antibody; GNRP; GRF1; CDC25; GRF55; CDC25L; H-GRF55; PP13187; ras-GRF1; anti-RASGRF1 antibody

PRODUCT SPECIFICATIONS

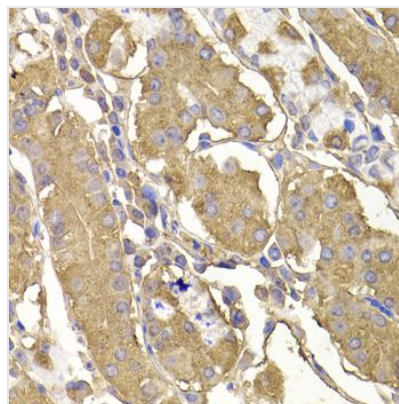
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1273
Applicable Applications for anti-RASGRF1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human RASGRF1
Calculated Molecular Weight	145kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



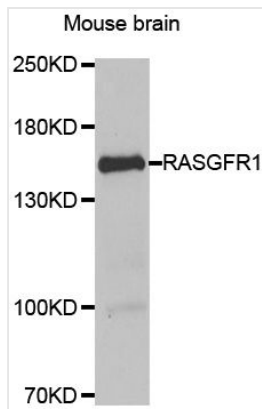
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using RASGRF1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using RASGRF1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of mouse brain, using RASGRF1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-RASGRF1 antibody	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.
Product Categories/Family for anti-RASGRF1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	613504205
NCBI GeneID	5923
UniProt Accession #	Q13972; Q16027; F8VPA5; H0YKF2; J3KQP9
Molecular Weight	1275
NCBI Official Full Name	Ras-specific guanine nucleotide-releasing factor 1
NCBI Official Synonym Full Names	Ras protein-specific guanine nucleotide-releasing factor 1
NCBI Official Symbol	RASGRF1
NCBI Official Synonym Symbols	GNRP; GRF1; CDC25; GRF55; CDC25L; H-GRF55; PP13187; ras-GRF1
NCBI Protein Information	ras-specific guanine nucleotide-releasing factor 1; guanine nucleotide exchange factor; guanine nucleotide-releasing protein; guanine nucleotide-releasing factor, 55 kD; Ras-specific nucleotide exchange factor CDC25; Ras-specific guanine nucleotide-releasing factor, CDC25 homolog
UniProt Protein Name	Ras-specific guanine nucleotide-releasing factor 1
UniProt Gene Name	RASGRF1
UniProt Synonym Gene Names	CDC25; GNRP; GRF1; Ras-GRF1; GNRP
UniProt Entry Name	RGRF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

