

**RASGRF1 Antibody (S929) Blocking Peptide**  
Synthetic peptide  
Catalog # BP7582b

**Specification**

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**RASGRF1 Antibody (S929) Blocking Peptide - Product Information**

Primary Accession [Q13972](#)

**RASGRF1 Antibody (S929) Blocking Peptide - Additional Information**

Gene ID 5923

**Other Names**

Ras-specific guanine nucleotide-releasing factor 1, Ras-GRF1, Guanine nucleotide-releasing protein, GNRP, Ras-specific nucleotide exchange factor CDC25, RASGRF1, CDC25, GNRP, GRF1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7582b](/products/AP7582b) was selected from the S929 region of human RASGRF1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RASGRF1 Antibody (S929) Blocking Peptide - Protein Information**

Name RASGRF1

Synonyms CDC25, GNRP, GRF1

**Function**

Promotes the exchange of Ras-bound GDP by GTP.

**RASGRF1 Antibody (S929) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**RASGRF1 Antibody (S929) Blocking Peptide - Images****RASGRF1 Antibody (S929) Blocking Peptide - Background**

RASGRF1 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. 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.

**RASGRF1 Antibody (S929) Blocking Peptide - References**

Iguchi,T., *Int. J. Oncol.* 31 (2), 285-291 (2007) Holmes,R., *Mol. Cell. Biol.* 26 (24), 9564-9570 (2006)