

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

RASGRF1 Antibody (S929) Blocking Peptide - Product InformationPrimary 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 Ca²⁺ 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)