

Phospho-RASGRF1(S929) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3496a**Specification**

Phospho-RASGRF1(S929) Antibody Blocking peptide - Product InformationPrimary Accession [Q13972](#)**Phospho-RASGRF1(S929) Antibody 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 [AP3496a](/product/products/AP3496a) was selected from the region of human Phospho-RASGRF1-S929. 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.

Phospho-RASGRF1(S929) Antibody Blocking peptide - Protein Information**Name** RASGRF1**Synonyms** CDC25, GNRP, GRF1**Function**

Promotes the exchange of Ras-bound GDP by GTP.

Phospho-RASGRF1(S929) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-RASGRF1(S929) Antibody Blocking peptide - Images**Phospho-RASGRF1(S929) Antibody 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.

Phospho-RASGRF1(S929) Antibody Blocking peptide - References

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