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Phospho-RASGRF1(S929) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3496a

Specification

Phospho-RASGRF1(S929) Antibody Blocking peptide - Product Information

Primary 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 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

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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)