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NRAS Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7745a

Specification

NRAS Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P01111

NRAS Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 4893

Other Names
GTPase NRas, Transforming protein N-Ras, NRAS, HRAS1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7745a was selected from the N-term region of human NRAS. 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.

NRAS Antibody (N-term) Blocking Peptide - Protein Information

Name NRAS

Synonyms HRAS1

Function
Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.

Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor Note=Shuttles between the plasma membrane and the Golgi apparatus

NRAS Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

NRAS Antibody (N-term) Blocking Peptide - Images

NRAS Antibody (N-term) Blocking Peptide - Background

NRAS is a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. This protein, which has intrinsic GTPase activity, is activated to a GTP-bound form by a GTPase activating protein and inactivated to a GDP-bound form by a guanine nucleotide-exchange factor. Defects in the gene encoding this protein are a cause of juvenile myelomonocytic leukemia (JMML).

NRAS Antibody (N-term) Blocking Peptide - References

Smalley,K.S., Cancer Res. 68 (14), 5743-5752 (2008)Banerji,U., Mol. Cancer Ther. 7 (4), 737-739 (2008)