

N-RAS Antibody

Catalog # ASC11665

Specification

N-RAS Antibody - Product Information

Application WB, E
Primary Accession P01111

Other Accession
Reactivity
Human, Mouse, Rat
Rabbit

Clonality Polyclonal Isotype IgG

Calculated MW Predicted: 21

Observed: 20 KDa

Application Notes

N-RAS antibody can be used for detection of N-RAS by Western blot at 0.5 - 1 µg/mL.

N-RAS Antibody - Additional Information

Gene ID 4893

Target/Specificity

NRAS; N-RAS antibody is predicted to not cross-react with H-RAS

Reconstitution & Storage

N-RAS antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions

N-RAS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

N-RAS Antibody - Protein Information

Name NRAS

Synonyms HRAS1

Eunction

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

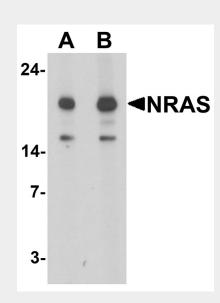
N-RAS Antibody - Protocols

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



- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

N-RAS Antibody - Images



Western blot analysis of N-RAS in 293 cell lysate with N-RAS antibody at (A) 1 and (B) 2 µg/mL.

N-RAS Antibody - Background

N-RAS Antibody: Activating mutations and overexpression of classical Ras subfamily members (N-RAS, H-RAS, and K-RAS) have been widely investigated as key events in the development of human cancers. The N-RAS protein shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. N-RAS, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia.

N-RAS Antibody - References

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Swarthout JT, Lobo S, Farh L, et al. DHHC9 and GCP9 constitute a human protein fatty acyltransferase with specificity for H- and N-Ras. J. Biol. Chem. 2005; 280:31141-8.

Malaney S and Daly RJ. The ras signaling pathway in mammary tumorigenesis and metastasis. J. Mammary Gland Biol. Neoplasia 2001; 6:101-13.

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