

NRAS Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7745A

Specification

NRAS Antibody (N-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Antigen Region WB, IF, FC,E <u>P01111</u> <u>004970</u>, <u>02MJK3</u>, <u>P08556</u>, <u>05F352</u> Human, Mouse, Rat Chicken, Pig Rabbit Polyclonal Rabbit IgG 72-101

NRAS Antibody (N-term) - Additional Information

Gene ID 4893

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

Target/Specificity

This NRAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-101 amino acids from the N-terminal region of human NRAS.

Dilution WB~~1:1000 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NRAS Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NRAS Antibody (N-term) - Protein Information

Name NRAS



Synonyms HRAS1

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

Cellular Location

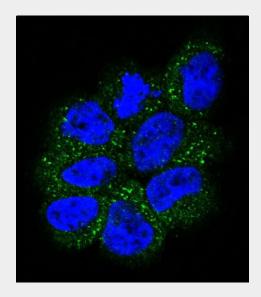
Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor Note=Shuttles between the plasma membrane and the Golgi apparatus

NRAS Antibody (N-term) - Protocols

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

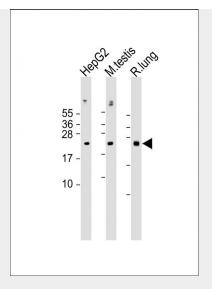
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

NRAS Antibody (N-term) - Images

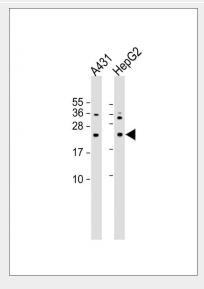


Confocal immunofluorescent analysis of NRAS Antibody (N-term)(Cat#AP7745a) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



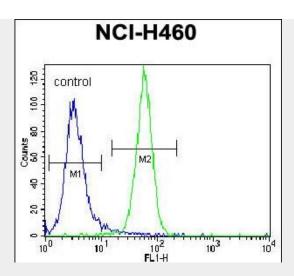


All lanes : Anti-NRAS Antibody (N-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Mouse testis whole tissuelysate Lane 3: Rat lung whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-NRAS Antibody (N-term) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit lgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





NRAS Antibody (N-term) (Cat. #AP7745a) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

NRAS Antibody (N-term) - 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) - References

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