10320 Camino Santa Fe, Suite G
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NRAS Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7745A

Specification

NRAS Antibody (N-term) - Product Information

Application	**IF, WB, FC,E**
Primary Accession	P01111
Other Accession	Q04970, Q2MJK3, P08556, Q5F352
Reactivity	**Human, Mouse, Rat**
Predicted	**Chicken, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**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
IF~~1:10~50
WB~~1:1000
FC~~1:10~50

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.

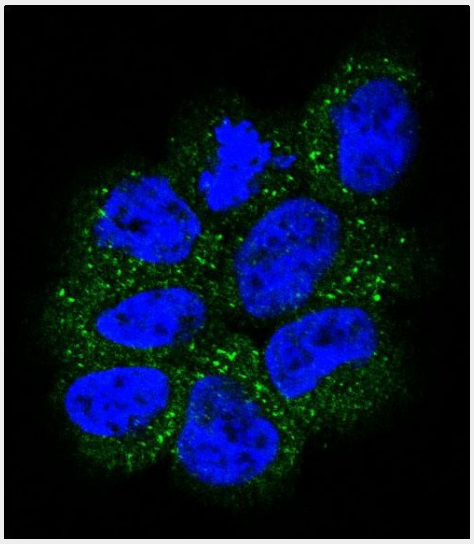
Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor
Note=Shuttles between the plasma membrane and the Golgi apparatus

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
- Cell Culture

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 lgG (green).DAPI was used to stain the cell nuclear (blue).

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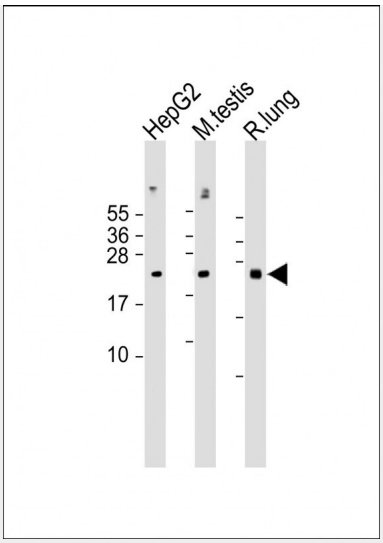
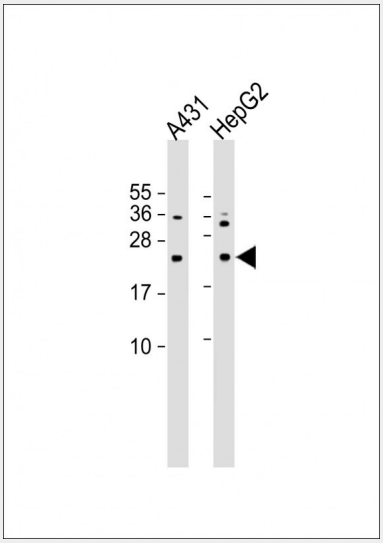


All lanes : Anti-NRAS Antibody (N-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Mouse testis whole tissuelysate Lane 3: Rat lung whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band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

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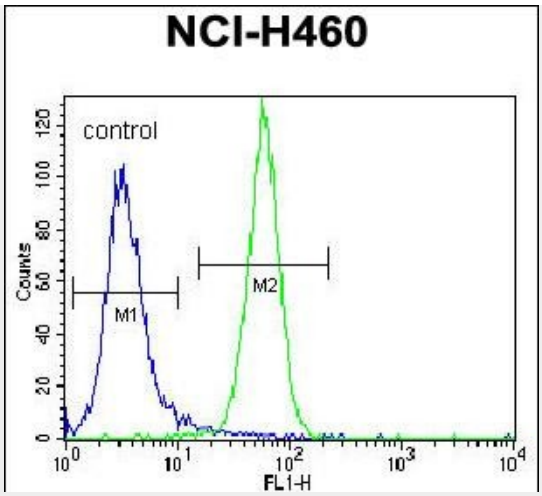

NRAS Antibody (N-term) (Cat. #AP7745a) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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)