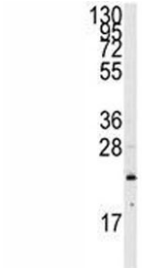
NRAS Antibody (F50733)

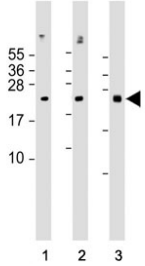
Catalog No.	Formulation	Size
F50733-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50733-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

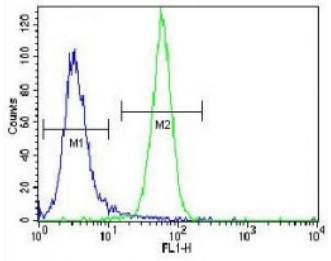
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P01111
Applications	Western blot: 1:1000 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This NRAS antibody is available for research use only.



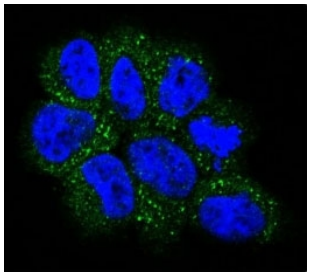
Western blot analysis of NRAS antibody and CEM lysate. Predicted molecular weight ~21 kDa.



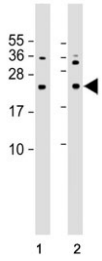
Western blot analysis of 1) human HepG2, 2) mouse testis and 3) rat lung tissue lysate with NRAS antibody. Predicted molecular weight ~21 kDa.



NRAS antibody flow cytometric analysis of NCI-H460 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Confocal immunofluorescent analysis of NRAS antibody with NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



Western blot analysis of human 1) A431 and 2) HepG2 cell lysate with NRAS antibody. Predicted molecular weight ~21 kDa.

Description

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).

Application Notes

Titration of the NRAS antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 72-101 from the human protein was used as the immunogen for this NRAS antibody.

Storage

Aliquot the NRAS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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