

ARG64621 anti-N-Ras antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes N-Ras
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	FACS, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	N-Ras
Species	Human
Immunogen	C-RMKKLNSSDDGTQ
Conjugation	Un-conjugated
Alternate Names	GTPase NRas; N-ras; NRAS1; CMNS; Transforming protein N-Ras; NCMS; ALPS4; NS6

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	IHC-P	2 - 3 µg/ml
	WB	0.1 - 0.3 µg/ml

Application Note
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 4893 Human](#)

[Swiss-port # P01111 Human](#)

Background

This is an N-ras oncogene encoding 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. The encoded protein, 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. [provided by RefSeq, Jun 2011]

Research Area

Cancer antibody; Signaling Transduction antibody

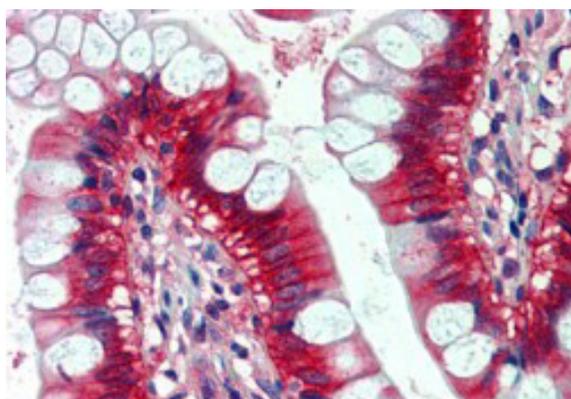
Calculated Mw

21 kDa

PTM

Palmitoylated by the ZDHHC9-GOLGA7 complex. A continuous cycle of de- and re-palmitoylation regulates rapid exchange between plasma membrane and Golgi. Acetylation at Lys-104 prevents interaction with guanine nucleotide exchange factors (GEFs).

Images



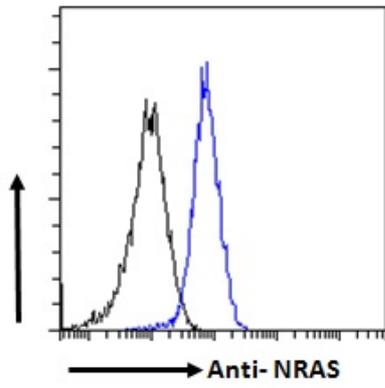
ARG64621 anti-N-Ras antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small Intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64621 anti-N-Ras antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG64621 anti-N-Ras antibody WB image

Western blot: 35 µg of Jurkat (A) and MCF7 (B) cell lysates (in RIPA buffer) stained with ARG64621 anti-N-Ras antibody at 0.3 µg/ml (A) and 0.1 µg/ml (B) dilutions and incubated at RT for 1 hour.



ARG64621 anti-N-Ras antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed MCF7 cells permeabilized with 0.5% Triton. Cells were stained with ARG64621 anti-N-Ras antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).