Datasheet for ABIN7267531

anti-GTPase NRas antibody

3 Images

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Overview

Quantity:	100 µL
Target:	GTPase NRas (NRAS)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GTPase NRas antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	NRAS Rabbit mAb
Immunogen:	A synthesized peptide derived from human NRAS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	GTPase NRas (NRAS)
Alternative Name:	NRAS (NRAS Products)
Background:	This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi

Target Details

	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],ALPS4, CMNS, N-ras, NCMS, NRAS1, NS6,Cancer,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Actins,Endocrine & Metabolism,ErbB-HER Signaling Pathway,G protein signaling,G protein signaling_G-Protein-Coupled Receptors Signaling to MAPK/Erk,G protein signaling_Small G proteins,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Insulin Receptor Signaling Pathway,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,NF-kB Signaling Pathway,Signal Transduction,T Cell Receptor Signaling Pathway,Warburg Effect,NRAS
Molecular Weight:	18kDa
Gene ID:	4893
UniProt:	P01111, P01112
Pathways:	p53 Signaling, MAPK Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Hepatitis C, Regulation of long-term Neuronal Synaptic Plasticity, VEGF Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

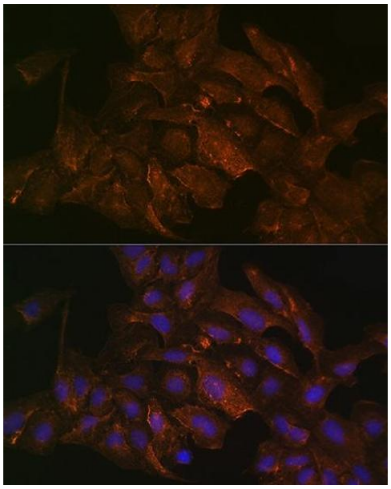
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

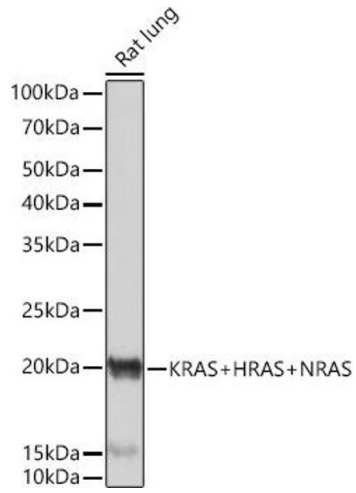
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



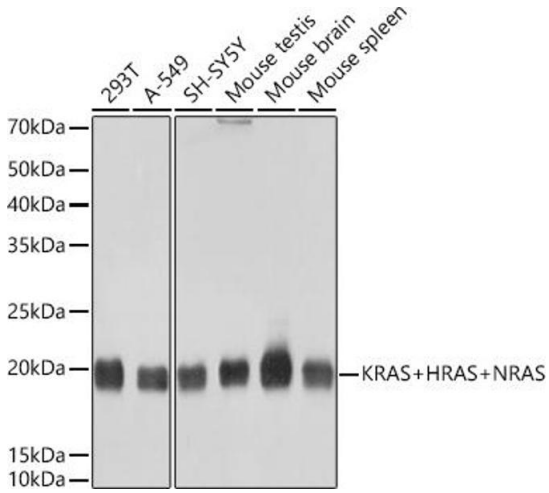
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using KRAS+HRAS+NRAS Rabbit mAb (ABIN7267531) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Rat lung, using KRAS+HRAS+NRAS Rabbit mAb (ABIN7267531) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using KRAS+HRAS+NRAS Rabbit mAb (ABIN7267531) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.