

Rabbit RASH/RASK/RASN Polyclonal Antibody | anti-NRAS antibody

RASH/RASK/RASN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320888	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RASH/RASK/RASN; Polyclonal Antibody; RASH/RASK/RASN Antibody; ALPS4; AV095280; GTPase NRas; HRAS1; N ras; N ras protein part 4; Neuroblastoma RAS viral (v ras) oncogene homolog; NRAS; NRAS1; NS6; OTTHUMP00000013879; OTTMUSP00000023521; RASN_HUMAN; Transforming protein N Ras; Transforming protein N-Ras; v ras neuroblastoma RAS viral oncogene homolog; C BAS/HAS; c H ras; C HA RAS1; c has/bas p21 protein; c ras Ki 2 activated oncogene; c-H-ras; CTLO; GTP and GDP binding peptide B; GTPase HRas; N-terminally processed; H Ras 1; H RAS1DX; H-Ras-1; Ha Ras; Ha Ras1 proto oncoprotein; Ha-Ras; HAMSV; Harvey rat sarcoma viral oncogene homolog; Harvey rat sarcoma viral oncoprotein; HRAS; K ras; p19 H Ras1DX protein; p21ras; Ras family small GTP binding protein H Ras; RASH_HUMAN; RASH1; Transformation gene oncogene HAMSV; Transforming protein p21; v Ha ras Harvey rat sarcoma viral oncogene homolog; VH Ras; vHa RAS; c Ki ras2; c Kirsten ras protein; c-K-ras; c-Ki-ras; Cellular c Ki ras2 proto oncogene; Cellular transforming proto oncogene; CFC2; cK Ras; GTPase KRas; K RAS p21 protein; K RAS2A; K RAS2B; K RAS4A; K RAS4B; K-Ras 2; KI RAS; Ki-Ras; KIRSTEN MURINE SARCOMA VIRUS 2; Kirsten rat sarcoma 2 viral (v Ki ras2) oncogene homolog; Kirsten rat sarcoma viral oncogene homolog; KRAS; KRAS proto oncogene; GTPase; KRAS1; KRAS2; NS; NS3; Oncogene KRAS2; PR310 c K ras oncogene; PR310 cK ras oncogene; RALD; RASK_HUMAN; RASK2; v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; v Ki ras2 Kirsten rat sarcoma viral oncogene homolog; anti-NRAS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RASH/RASK/RASN antibody detects endogenous levels of total RASH/RASK/RASN
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-NRAS antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RASH/RASK/RASN
Subcellular Location	Cell Membrane, Cytoplasmic and Golgi Apparatus
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA320888 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HeLa cell lysate using RASH/RASK/RASN Antibody, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA320888 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of RASH/RASK/RASN expression in various lysates

ADDITIONAL INFORMATION

Related Product Information for anti-NRAS antibody

Description: HRas a small GTPase protein of the Ras family. Alternates between an inactive form bound to GDP and an active form bound to GTP. Activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP). Mutations are implicated in a variety of human tumors.

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

Subunit Structure: Interacts (active GTP-bound form preferentially) with RGS14 (By similarity). Interacts (active GTP-bound form) with RASSF7.

Post-translational Modifications: Palmitoylated by the ZDHHC9-GOLGA7 complex (PubMed:16000296). Depalmitoylated by ABHD17A, ABHD17B and ABHD17C (PubMed:26701913). A continuous cycle of de-and re-palmitoylation regulates rapid exchange between plasma membrane and Golgi (PubMed:16000296, PubMed:15705808, PubMed:2661017, PubMed:26701913). Acetylation at Lys-104 prevents interaction with guanine nucleotide exchange factors (GEFs).

Similarity: Belongs to the small GTPase superfamily. Ras family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505451
NCBI GeneID	4893
NCBI Accession #	NP_002515.1
NCBI GenBank Nucleotide #	NM_002524.4
UniProt Accession #	P01111; Q14971; Q15104; Q15282
Molecular Weight	Observed: 25 kDa; 21 kDa Predicted: 22 kDa
NCBI Official Full Name	GTPase NRas
NCBI Official Synonym Full Names	NRAS proto-oncogene, GTPase
NCBI Official Symbol	NRAS
NCBI Official Synonym Symbols	NS6; CMNS; NCMS; ALPS4; N-ras; NRAS1
NCBI Protein Information	GTPase NRas
UniProt Protein Name	GTPase NRas

UniProt Gene Name	NRAS
UniProt Synonym Gene Names	HRAS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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