Kras+hras+nras (NRAS) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRAS+HRAS+NRAS, Polyclonal Antibody
Full Product Name	KRAS+HRAS+NRAS Rabbit pAb
Product Gene Name	anti-NRAS antibody
Product Synonym Names	GTPase NRas; Transforming protein N-Ras; NRAS; HRAS1; GTPase HRas; H-Ras-1; Ha-Ras; Transforming protein p21; c-H-ras; p21ras; HRAS; HRAS1; GTPase KRas; K-Ras 2; Ki-Ras; c-K-ras; c-Ki-ras; KRAS; KRAS2; RASK2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity Chromatography
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	21kDa
OMIM	164790
3D Structure	ModBase 3D Structure for P01111
Immunogen	A synthesized peptide derived from human KRAS+HRAS+NRAS
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NRAS antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunoprecipitation (IP), Flow Cytometry (FC/FACS)
Application Notes for anti-NRAS antibody	WB: 1:500-1:2000 ICC/IF: 1:50-1:200 IP: 1:50 FC/FACS: 1:200
Related Product Information for anti-NRAS antibody	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.
Other Notes	Small volumes of anti-NRAS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NRAS purchase	MBS8542572 is an antibody targeting NRAS. Also known as KRAS+HRAS+NRAS Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRAS. It may not necessarily be applicable to this product.

NCBI GI #	4505451
NCBI GeneID	4893

NCBI Accession #	NP_002515.1
UniProt Primary Accession #	P01111
UniProt Secondary Accession #	P01112; P01116
UniProt Related Accession #	P01111
GenBank Nucleotide #	NP_002515.1
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
UniProt Protein Name	GTPase NRas
UniProt Synonym Protein Names	Transforming protein N-Ras
Protein Family	GTPase
UniProt Gene Name	NRAS
UniProt Synonym Gene Names	HRAS1
UniProt Entry Name	RASN_HUMAN
NCBI Protein Information	GTPase NRas
NCBI Summary for NRAS	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 Articles on NRAS	**1.** BRAF and NRAS mutations in Langerhans cell histiocytosis (LCH) suggest a possibility of the disease being driven by the activation of the MAPK/ERK pathway. These oncogenic mutations provide new opportunities in understanding LCH pathogenesis and may be a potential target of therapy
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