10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GTPase HRAS Antibody

Rabbit mAb
Catalog # AP90270

Product Information

Application	WB, IF, FC, ICC, IP
Primary Accession	P01112
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	GTPase HRas; H-Ras-1; Ha-Ras; Transforming protein p21; c-H-ras; p21ras; HRAS; HRAS1; GTPase NRas; Transforming protein N-Ras; NRAS; HRAS1; GTPase KRas; K-Ras 2; Ki-Ras; c-K-ras; c-Ki-ras; GTPase KRas; KRAS; KRAS2, RASK2
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	21298

Additional Information

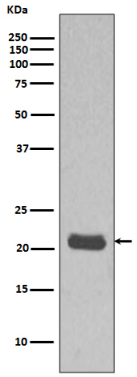
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 FC 1:30
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GTPase HRAS
Description	The KRAS gene encodes the human cellular homolog of a transforming gene isolated from the Kirsten rat sarcoma virus. The RAS proteins are GDP/GTP-binding proteins that act as intracellular signal transducers. The most well-studied members of the RAS (derived from 'RAt Sarcoma' virus) gene family include KRAS, HRAS, and NRAS. These genes encode immunologically related proteins with a molecular mass of 21 kD and are homologs of rodent sarcoma virus genes that have transforming abilities.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	HRAS
Synonyms	HRAS1
Function	Signal transducer in the Ras-MAPK signaling pathway that regulates cell proliferation and survival (PubMed:22821884). Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (PubMed:12740440, PubMed:14500341, PubMed:9020151). Recognized by LZTR1 that mediates its ubiquitination by a BCR (BTB-CUL3-RBX1) E3 ubiquitin- protein ligase complex (PubMed:40934300).

Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P20171}; Lipid-anchor; Cytoplasmic side. Golgi apparatus. Golgi apparatus membrane; Lipid-anchor. Note=The active GTP-bound form is localized most strongly to membranes than the inactive GDP-bound form (By similarity). Shuttles between the plasma membrane and the Golgi apparatus.
Tissue Location	Widely expressed..

Images



Western blot analysis MCF7 cell lysate using HRAS Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.