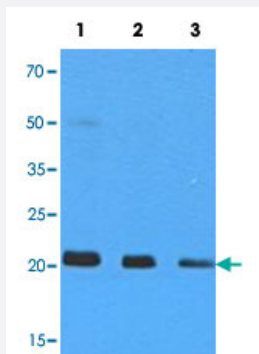


NRAS monoclonal antibody, clone AT2G9

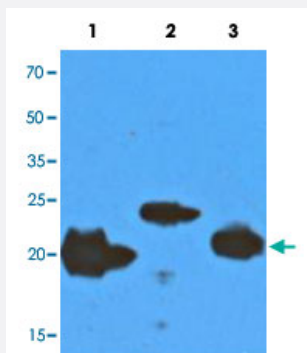
Catalog # MAB10009 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293T cell extracts (35 ug) with NRAS monoclonal antibody, clone AT2G9 (Cat # MAB10009) at 1:500 (Lane 1), 1:1000 (Lane 2) and 1:5000 (Lane 3) dilution. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western Blot (Recombinant protein)

Western blot analysis with recombinant protein (200 ng) of NRAS (Lane 1), KRAS (Lane 2) and HRAS (Lane 3). Using NRAS monoclonal antibody, clone AT2G9 (Cat # MAB10009).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant NRAS.
Immunogen	Recombinant protein corresponding to full length human NRAS.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Concentration	1 mg/mL
Isotype	IgG2a, kappa
Recommend Usage	Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of 293T cell extracts (35 ug) with NRAS monoclonal antibody, clone AT2G9 (Cat # MAB10009) at 1:500 (Lane 1), 1:1000 (Lane 2) and 1:5000 (Lane 3) dilution. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

- Western Blot (Recombinant protein)

Western blot analysis with recombinant protein (200 ng) of NRAS (Lane 1), KRAS (Lane 2) and HRAS (Lane 3). Using NRAS monoclonal antibody, clone AT2G9 (Cat # MAB10009).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NRAS

Entrez GeneID	4893
Protein Accession#	NP_002515
Gene Name	NRAS
Gene Alias	ALPS4, N-ras, NRAS1
Gene Description	neuroblastoma RAS viral (v-ras) oncogene homolog
Omim ID	114500 164790 188470
Gene Ontology	Hyperlink

Gene Summary

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 to a GTP-bound form by a GTPase activating protein and inactivated to a GDP-bound form by a guanine nucleotide-exchange factor. Defects in this gene are a cause of juvenile myelomonocytic leukemia (JMML). [provided by RefSeq]

Other Designations

N-ras protein part 4|OTTHUMP00000013879|v-ras neuroblastoma RAS viral oncogene homolog

Pathway

- [Acute myeloid leukemia](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Bladder cancer](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Melanogenesis](#)
- [Melanoma](#)
- [Natural killer cell mediated cytotoxicity](#)

- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)
- [Thyroid cancer](#)
- [Tight junction](#)
- [VEGF signaling pathway](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Blast Crisis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Common Bile Duct Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)

- [HIV Infections](#)
- [Leukemia](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Microsatellite Instability](#)
- [Myelodysplastic Syndromes](#)
- [Necrosis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neurofibromatosis](#)
- [Nevus](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Purpura](#)
- [Ras oncogene](#)
- [Sarcoma](#)
- [Skin Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)