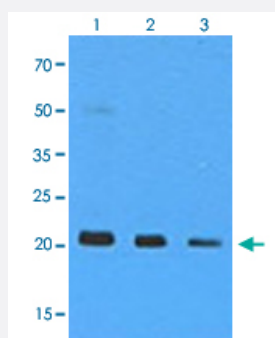


NRAS monoclonal antibody, clone AT2G9

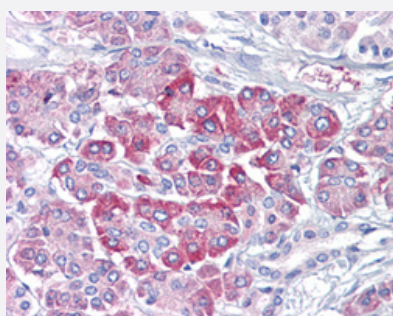
Catalog # MAB16186 Size 50 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of 293T cell lysate (Lane 1: 1:500, Lane 2: 1:1000 and Lane 3: 1:5000) with NRAS monoclonal antibody, clone AT2G9 (Cat # MAB16186).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with NRAS monoclonal antibody, clone AT2G9 (Cat # MAB16186).

Specification

Product Description Mouse monoclonal antibody raised against recombinant human NRAS.

Immunogen Recombinant protein corresponding to human NRAS.

Host Mouse

Reactivity Human

Form Liquid

Purification Protein G purification

Isotype IgG2a, kappa

Recommend Usage	ELISA Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (15 ug/mL) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°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 lysate (Lane 1: 1:500, Lane 2: 1:1000 and Lane 3: 1:5000) with NRAS monoclonal antibody, clone AT2G9 (Cat # MAB16186).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with NRAS monoclonal antibody, clone AT2G9 (Cat # MAB16186).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NRAS

Entrez GeneID	4893
Protein Accession#	P01111
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](#)