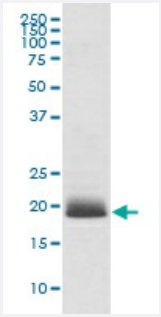
NRAS monoclonal antibody, clone DBC-14

Catalog # MAB20662 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of (1) C6 cell lysate; (2) Jurkat cell lysate using NRAS monoclonal antibody, clone DBC-14.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human NRAS.
Immunogen	A synthetic peptide corresponding to human NRAS.
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunoprecipitation (1:20) Western Blot (1:10000-1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of (1) C6 cell lysate; (2) Jurkat cell lysate using NRAS monoclonal antibody, clone DBC-14.

- Immunoprecipitation

- Flow Cytometry

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 apparat us and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylat ion 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-boun d form by a guanine nucleotide-exchange factor. Defects in this gene are a cause of juvenile myel omonocytic 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