

Product Name: KD-Validated NRAS Mouse Monoclonal Antibody**Catalog #: KVAb01450**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000
Molecular Weight	Calculated MW: 21.2kDa

Antigen Information

Gene Name	NRAS
Alternative Names	NRAS; NRAS Proto-Oncogene, GTPase; N-Ras; Neuroblastoma RAS Viral (V-Ras) Oncogene Homolog; Neuroblastoma RAS Viral Oncogene Homolog; Transforming Protein N-Ras; GTPase NRas; V-Ras Neuroblastoma RAS Viral Oncogene Homolog; Proto-Oncogene GTPase; N-Ras Protein Part; EC 3.6.5.2; ALPS4; NRAS1; HRAS1; CMNS; KRAS; NCMS; NS6
Gene ID	4893.0
SwissProt ID	P01111
Immunogen	A synthesized peptide derived from human NRAS

Background

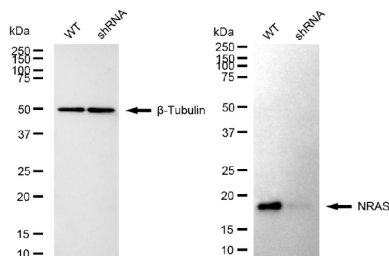
This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane.

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]

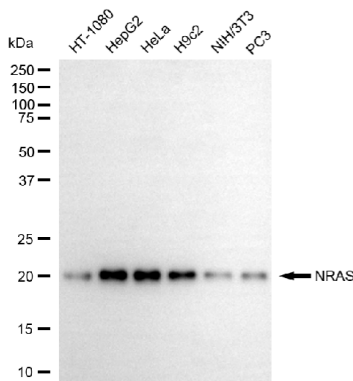
Research Area

Signal Transduction,Cancer

Image Data



Western blotting analysis using NRAS antibody (KVA01450). NRAS expression in wild-type (WT) and NRAS shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with NRAS antibody (KVA01450, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using NRAS antibody (KVA01450). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NRAS antibody (KVA01450, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.