

Mouse anti-Human RAS Monoclonal Antibody | anti-RAS antibody

RAS antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48094	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

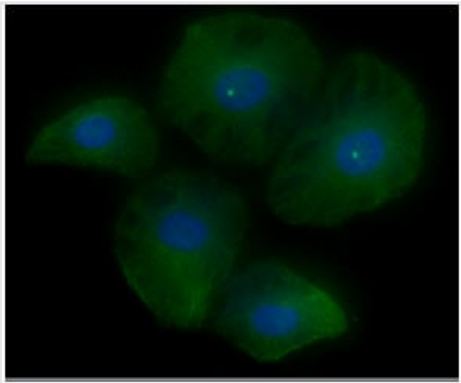
PRODUCT SYNONYMS

RAS; Monoclonal Antibody; RAS antibody; Neuroblastoma RAS viral (v-ras) oncogene homolog; GTPase NRas; HRAS1; ALPS4; N-ras; NRAS1; NS6; Neuroblastoma RAS viral (v-ras) oncogene homolog OTTMuSP00000023521; AV095280; N ras; N ras protein part 4; Neuroblastoma RAS viral (v ras) oncogene homolog; OTTHuMP00000013879; Transforming protein N Ras; v ras neuroblastoma RAS viral oncogene homolog; anti-RAS antibody

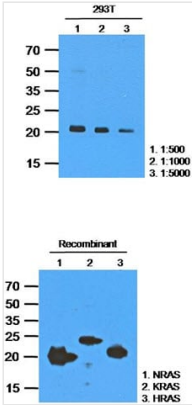
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT2G9
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-RAS antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human NRAS (1-186aa) purified from E. coli
Clone Note	Anti-human RAS mAb, clone AT2G9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human NRAS protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of RAS in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human RAS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The extracts of 293T (35ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human RAS (1:500~1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The cross-reacting of anti-human RAS (AT2G9) was analyzed by western blot with recombinant protein (200ng) of NRAS, KRAS and HRAS.

ADDITIONAL INFORMATION

Related Product Information for anti-RAS antibody	The Ras protein is a subfamily of small GTPases that are involved in signal transduction. They are activated by ligand-binding receptor tyrosine kinases such as EGFR, PDGFR, CSF and FGF. These kinases transiently convert RAS-GDP (inactive form) to RAS-GTP, the active form of RAS. The main genes are HRAS, NRAS and KRAS.
Product Categories/Family for anti-RAS antibody	Signal Transduction
References	Rocks O, et al. (2006). Current Opinion in Cell Biology 18 (4): 351-7.; Wennerberg K, et al. (March 2005). J. Cell. Sci. 118 (Pt 5): 843-6.; Rotblat B, et al. (2008). Methods Enzymol 439: 467-89.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505451
NCBI GeneID	4893
NCBI Accession #	NP_002515
NCBI GenBank Nucleotide #	NM_002524.4
UniProt Accession #	P01111; Q14971; Q15104; Q15282
Molecular Weight	21,229 Da
NCBI Official Full Name	GTPase NRas
NCBI Official Synonym Full Names	NRAS proto-oncogene, GTPase
NCBI Official Symbol	NRAS
NCBI Official Synonym Symbols	NS6; CMNS; NCMS; ALPS4; N-ras; NRAS1
NCBI Protein Information	GTPase NRas
UniProt Protein Name	GTPase NRas
UniProt Gene Name	NRAS
UniProt Synonym Gene Names	HRAS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ras-antibody-clone-at2g9-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48094>