

Mouse MRAS Monoclonal Antibody | anti-MRAS antibody

MRAS antibody

CATALOG # AAA107485	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

MRAS; Monoclonal Antibody; MRAS antibody; Monoclonal MRAS; Anti-MRAS; Muscle RAS oncogene homolog; RRAS3; Ras related protein R-Ras3; FLJ42964; Muscle and Microspikes RAS; anti-MRAS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	3C4
Purity/Purification	MRAS antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	208
Applicable Applications for anti-MRAS antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Members of the RAS superfamily of GTP-binding proteins, which includes MRAS, are membrane-anchored, intracellular signal transducers responsible for a variety of normal cellular functions. They are oncogenically activated in a significant fraction of tumors.
Cross-Reactivity	Human
Immunogen	MRAS antibody was raised in mouse using a full length recombinant protein of human MRAS (NP_036351) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant MRAS protein using MRAS antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MRAS protein (Right) or empty vector (Left) detected with MRAS antibody



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of Jurkat cells using MRAS antibody (Red), compared to a nonspecific negative control antibody (Blue).

ADDITIONAL INFORMATION

Related Product Information for anti-MRAS antibody	Mouse monoclonal MRAS antibody
Product Categories/Family for anti-MRAS antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	145386562
NCBI GeneID	22808
NCBI Accession #	NP_036351
NCBI GenBank Nucleotide #	NM_012219.4
UniProt Accession #	O14807; Q86WX8; B4DIK0
Molecular Weight	15,542 Da
NCBI Official Full Name	ras-related protein M-Ras isoform 1
NCBI Official Synonym Full Names	muscle RAS oncogene homolog
NCBI Official Symbol	MRAS
NCBI Official Synonym Symbols	M-RAS; RRAS3; R-RAS3
NCBI Protein Information	ras-related protein M-Ras
UniProt Protein Name	Ras-related protein M-Ras
UniProt Gene Name	MRAS
UniProt Synonym Gene Names	RRAS3
UniProt Entry Name	RASM_HUMAN

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/mras-antibody-clone-3c4-western-blot-immunofluorescence-flow-cytometry-elisa/107485>