Mouse anti-Human Makorin-2 Monoclonal Antibody | anti-MKRN2 antibody

Anti-Makorin-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266106	**Mouse**	**Human**	**Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot**

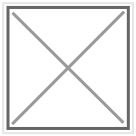
PRODUCT SYNONYMS

Makorin-2; Monoclonal Antibody; Anti-Makorin-2 Antibody; anti-MKRN2 antibody

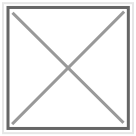
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Specificity	Recognizes endogenous levels of Makorin-2 protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG1 kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-MKRN2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human Makorin-2. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of K562 cells using Anti-Makorin-2 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.



IF (Immunofluorescence)
Immunofluorescent analysis of Makorin-2 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

IHC (Immunohiostchemistry)
Immunohistochemical analysis of Makorin-2 staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

WB (Western Blot)
Western blot analysis of Makorin-2 expression in Jurkat (A), K562 (B) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 47 kD

ADDITIONAL INFORMATION

Related Product Information for anti-MKRN2 antibody	Mouse monoclonal antibody to Makorin-2
Product Categories/Family for anti-MKRN2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	32880199
NCBI GeneID	23609
NCBI Accession #	NP_054879
NCBI GenBank Nucleotide #	NM_014160
UniProt Accession #	Q9H000; Q8N391; Q96BD4; Q9BUY2; Q9NRY1; A6NIA2; B3KRC5; B4DPR4
Molecular Weight	41,985 Da
NCBI Official Full Name	probable E3 ubiquitin-protein ligase makorin-2 isoform 1
NCBI Official Synonym Full Names	makorin ring finger protein 2
NCBI Official Symbol	MKRN2
NCBI Official Synonym Symbols	RNF62; HSPC070
NCBI Protein Information	probable E3 ubiquitin-protein ligase makorin-2; RING finger protein 62; makorin RING zinc-finger protein 2
UniProt Protein Name	Probable E3 ubiquitin-protein ligase makorin-2
UniProt Gene Name	**MKRN2**
UniProt Synonym Gene Names	RNF62
UniProt Entry Name	MKRN2_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/makorin-2-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/266106