

Mouse HINT1 Monoclonal Antibody | anti-HINT1 antibody

Anti-HINT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266035	Mouse	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HINT1; Monoclonal Antibody; Anti-HINT1 Antibody; anti-HINT1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Specificity	Recognizes endogenous levels of HINT1 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-HINT1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human HINT1. 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



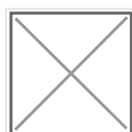
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Jurkat cells using Anti-HINT1 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.



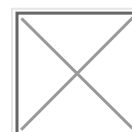
IF (Immunofluorescence)

Immunofluorescent analysis of HINT1 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. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of HINT1 staining in human kidney 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 HINT1 expression in Jurkat (A), Raji (B), HepG2 (C), rat brain (D), mouse liver (E) whole cell lysates. (Predicted band size: 13 kD; Observed band size: 14 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-HINT1 antibody	Mouse monoclonal antibody to HINT1
Product Categories/Family for anti-HINT1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885413
NCBI GeneID	3094
NCBI Accession #	NP_005331.1
NCBI GenBank Nucleotide #	NM_005340.6
UniProt Accession #	P49773 ; P70349 ; P62959
Molecular Weight	13,802 Da
NCBI Official Full Name	histidine triad nucleotide-binding protein 1
NCBI Official Synonym Full Names	histidine triad nucleotide binding protein 1
NCBI Official Symbol	HINT1
NCBI Official Synonym Symbols	HINT; NMAN; PKCI-1; PRKCNH1
NCBI Protein Information	histidine triad nucleotide-binding protein 1; protein kinase C inhibitor 1; adenosine 5'-monophosphoramidase; protein kinase C-interacting protein 1
UniProt Protein Name	Histidine triad nucleotide-binding protein 1
UniProt Gene Name	HINT1
UniProt Synonym Gene Names	HINT; PKCI1; PRKCNH1; PKCI-1
UniProt Entry Name	HINT1_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/hint1-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/266035>