

Rabbit HINT1 Polyclonal Antibody | anti-HINT1 antibody

HINT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40264	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

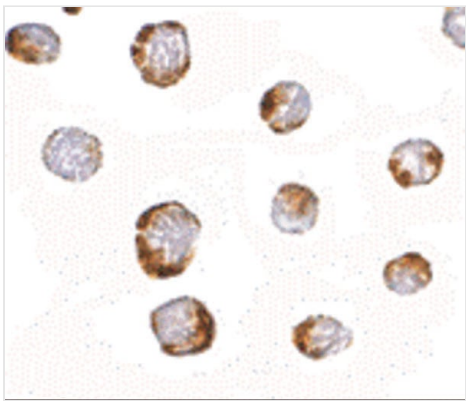
PRODUCT SYNONYMS

HINT1; Polyclonal Antibody; HINT1 Antibody; HINT; NMAN; PKCI-1; PRKCNH1; PKCI1; Histidine triad nucleotide-binding protein 1; Protein kinase C inhibitor 1; histidine triad nucleotide binding protein 1; anti-HINT1 antibody

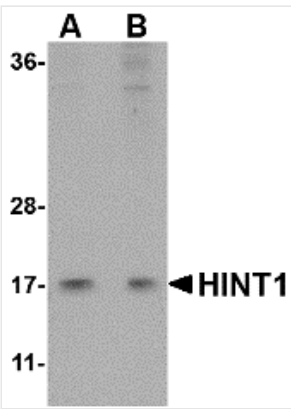
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	HINT1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	126
Applicable Applications for anti-HINT1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	HINT1 antibody was raised against a 17 amino acid synthetic peptide near the center of the human HINT1.
Buffer	HINT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	HINT1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry of HINT1 in Jurkat cells with HINT1 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of HINT1 in Jurkat lysate with HINT1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-HINT1 antibody	HINT1 Antibody: Histidine triad nucleotide-binding protein 1 (HINT1) is a member of the histidine triad (HIT) protein family, a group of small nucleotide-binding and -hydrolyzing proteins. HINT1 interacts with several diverse proteins and has been suggested to have tumor suppressive activities. HINT1 catalyzes the hydrolysis of adenosine 5'-monophoramidate substrates such as AMP-morpholidate, but its enzymatic function does not appear to play a role in its tumor suppression. Recent experiments demonstrate that HINT1 forms a complex with POSH and JNK in vivo, inhibiting AP-1 activity and the phosphorylation of c-Jun, and this action could contribute to the tumor suppressor activity of HINT1. Other studies raise the possibility of HINT1 as a candidate gene for schizophrenia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885413
NCBI GeneID	3094
NCBI Accession #	NP_005331
NCBI GenBank Nucleotide #	NM_005340.6
UniProt Accession #	P49773; Q9H5W8
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.

