

HINT1 Polyclonal Antibody | anti-HINT1 antibody

Anti-HINT1 Antibody

CATALOG # AAA46429	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	--	---

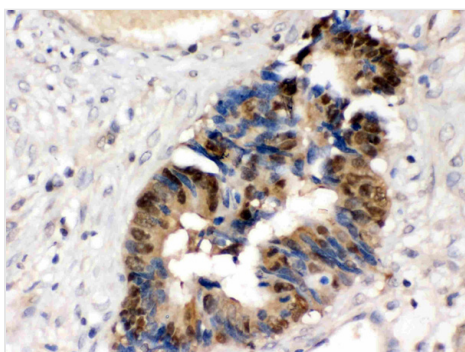
PRODUCT SYNONYMS

HINT1; Polyclonal Antibody; Anti-HINT1 Antibody; Histidine triad nucleotide-binding protein 1; HINT 1; HINT1_HUMAN; Histidine triad nucleotide binding protein 1; PKCI 1; PKCI-1; PKCI1; PRKCNH1; Protein kinase C inhibitor 1; Protein kinase C interacting protein 1; Protein kinase C-interacting protein 1; histidine triad nucleotide binding protein 1; anti-HINT1 antibody

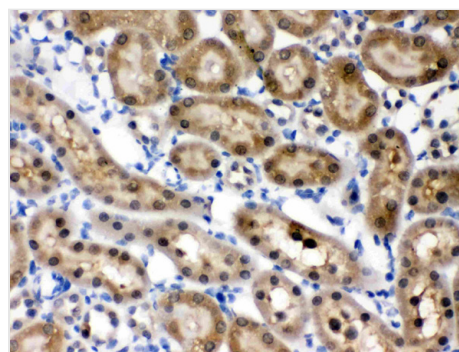
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Sequence Length	126
Applicable Applications for anti-HINT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human HINT1 (59-92aa HISQISVAEDDDESLGHLMIVGKKCAADLGLNK), different from the related mouse and rat sequences by three amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

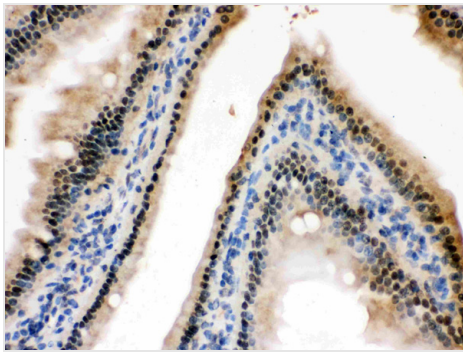
IMAGES



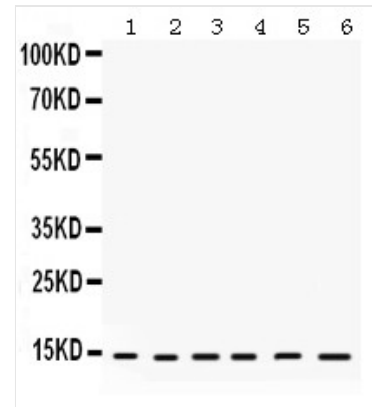
IHC (Immunohistochemistry)
Anti- HINT1 Picoband antibody, AAA46429, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemisry)
Anti- HINT1 Picoband antibody, AAA46429, IHC(P)IHC(P): Rat Kidney Tissue



IHC (Immunohistochemistry)
Anti- HINT1 Picoband antibody, AAA46429, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- HINT1 Picoband antibody, AAA46429, Western blottingAll lanes: Anti HINT1 (AAA46429) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Thymus Tissue Lysate at 50ugLane 3: Rat Testis Tissue Lysate at 50ugLane 4: Rat Skeletal Muscle Tissue Lysate at 50ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 14KDObserved bind size: 14KD

ADDITIONAL INFORMATION

Related Product Information for anti-HINT1 antibody	Description: Rabbit IgG polyclonal antibody for Histidine triad nucleotide-binding protein 1(HINT1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Histidine triad nucleotide-binding protein 1 is a protein that in humans is encoded by the HINT1 gene. It is a haploinsufficient tumor suppressor gene that inhibits the Wnt/beta-catenin pathway in colon cancer cells and Microphthalmia-associated transcription factor (MITF) activity in human mast cells. The protein encoded by this gene can hydrolyze substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester, and AMP-NH2. The encoded protein interacts with these substrates via a histidine triad motif, which is part of the loop that binds to the substrate. Several transcript variants, but only one of them protein-coding, have been found for this gene.
References	1. "Entrez Gene: HINT1 histidine triad nucleotide binding protein 1". 2. Brzoska PM, Chen H, Levin NA, Kuo WL, Collins C, Fu KK, Gray JW, Christman MF (Feb 1997). "Cloning, mapping, and in vivo localization of a human member of the PKCI-1 protein family (PRKCNH1)". Genomics 36(1): 151-6. 3. Wang L, Li H, Zhang Y, Santella RM, Weinstein IB (Apr 2009). "HINT1 inhibits beta-catenin/TCF4, USF2 and NFkappaB activity in human hepatoma cells". Int J Cancer 124 (7): 1526-34.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885413
NCBI GeneID	3094
NCBI Accession #	NP_005331.1
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hint1-antibody-immunohistochemistry-western-blot-elisa/46429>