

Datasheet for ABIN3042445
anti-HINT1 antibody (Middle Region)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	HINT1
Binding Specificity:	AA 59-92, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HINT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Histidine triad nucleotide-binding protein 1(HINT1) detection. Tested with WB,IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human HINT1 (59-92aa HISQISVAEDDDDESLLGHLMIVGKKCAADLGLNK), different from the related mouse and rat sequences by three amino acids.
Sequence:	HISQISVAED DDESLLGHLM IVGKKCAADL GLNK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Histidine triad nucleotide-binding protein 1(HINT1) detection. Tested with WB,IHC-P in Human,Mouse,Rat. Gene Name: histidine triad nucleotide binding protein 1

Product Details

Protein Name: Histidine triad nucleotide-binding protein 1

Purification: Immunogen affinity purified.

Target Details

Target: HINT1

Alternative Name: HINT1 ([HINT1 Products](#))

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/ β -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.

Synonyms: HINT 1 antibody|HINT1 antibody|HINT1_HUMAN antibody|Histidine triad nucleotide binding protein 1 antibody|Histidine triad nucleotide-binding protein 1 antibody|PKCI 1 antibody|PKCI-1 antibody|PKCI1 antibody|PRKCNH1 antibody|Protein kinase C inhibitor 1 antibody| Protein kinase C interacting protein 1 antibody|Protein kinase C-interacting protein 1 antibody

Gene ID: 3094

UniProt: [P49773](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 μ g/mL, Tested Species: Human, Rat
IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

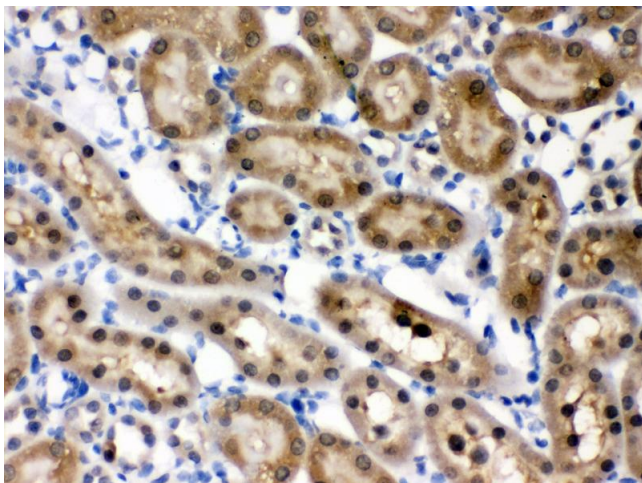
Application Details

Restrictions: For Research Use only

Handling

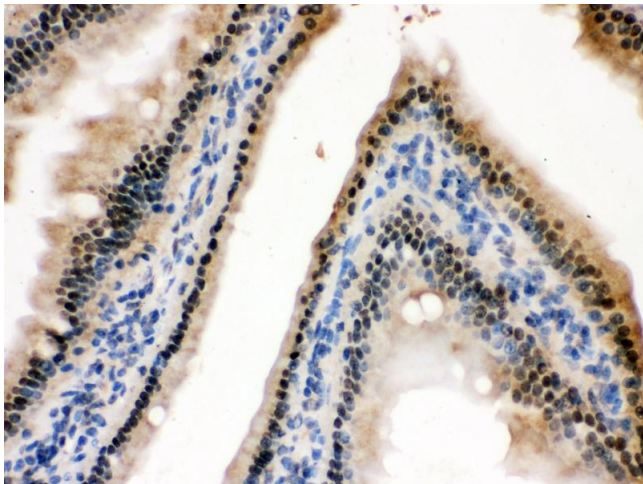
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



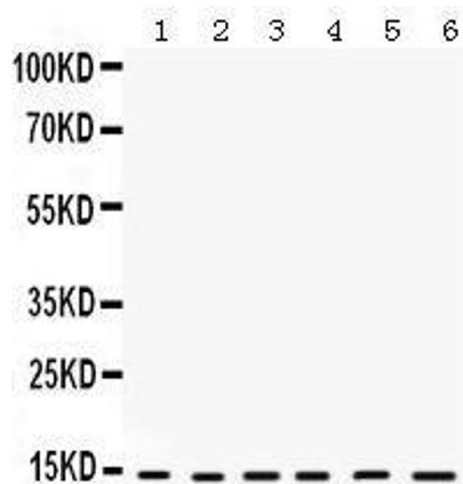
Immunohistochemistry

Image 1. Anti- HINT1 Picoband antibody, IHC(P) IHC(P): Rat Kidney Tissue



Immunohistochemistry

Image 2. Anti- HINT1 Picoband antibody, IHC(P) IHC(P):
Mouse Intestine Tissue



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042445.