



Rabbit Anti-HINT1 antibody

SL10228R

Product Name:	HINT1
Chinese Name:	组氨酸三聚体核苷Binding protein1 抗体
Alias:	histidine triad nucleotide binding protein 1; Adenosine 5' monophosphoramidase; Adenosine 5'-monophosphoramidase; HINT 1; HINT-1; histidine triad nucleotide binding protein 1; histidine triad nucleotide binding protein; histidine triad nucleotide-binding protein; 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; HINT1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	14kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HINT1:41-126/126
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. This gene has been found to be a tumor suppressing gene. Several transcript variants, but only one of them protein-coding, have been found for this gene. [provided by RefSeq, Dec 2012].

Function:

Hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH₂.

Subunit:

Homodimer. Interacts with CDK7.

Subcellular Location:

Cytoplasm. Nucleus. Note=Interaction with CDK7 leads to a more nuclear localization.

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the HINT family.
Contains 1 HIT domain.

SWISS:

P49773

Gene ID:

3094

Database links:

[Entrez Gene: 3094](#)Human

[Entrez Gene: 15254](#)Mouse

[Entrez Gene: 690660](#)Rat

[Oimim: 601314](#)Human

[SwissProt: P49773](#)Human

[SwissProt: P70349](#)Mouse

[SwissProt: P62959](#)Rat

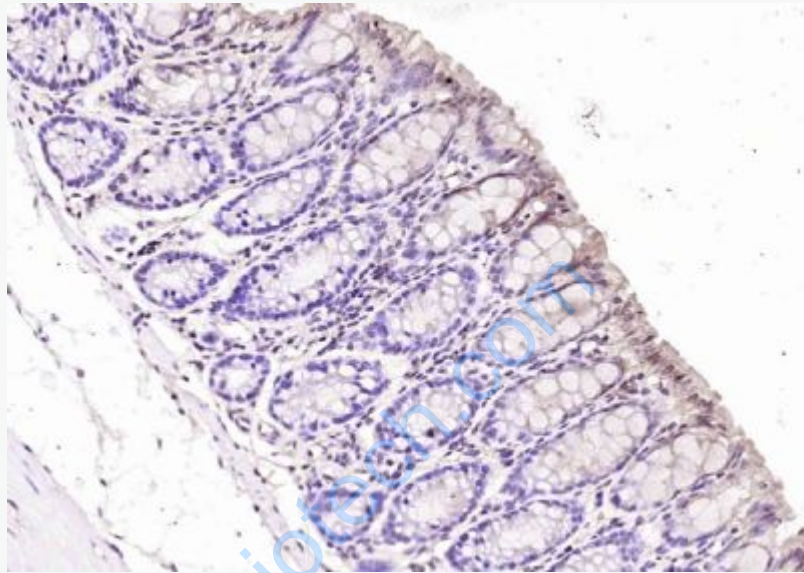
[Unigene: 483305](#)Human

[Unigene: 425](#)Mouse

[Unigene: 138667](#)Rat

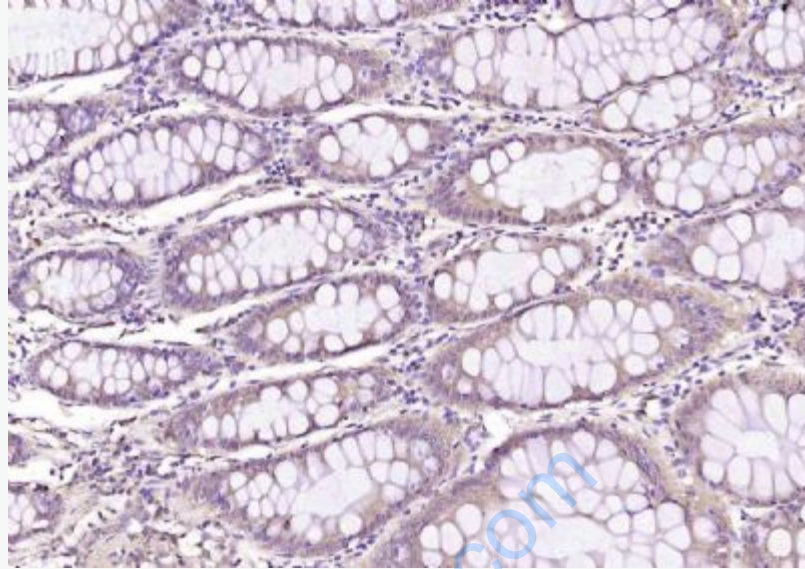
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HINT1) Polyclonal Antibody, Unconjugated (SL10228R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HINT1) Polyclonal Antibody, Unconjugated (SL10228R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.