

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.

Research Area

Tumour Cell biology immunology Binding protein

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species

Human,Mouse (predicted:Rat,Dog,Pig,Cow,Rabbit,Sheep)

Applications

IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight

14kDa

Cellular localization

The nucleus cytoplasmic

Form

Liquid

Concentration

1mg/ml

immunogen

KLH conjugated synthetic peptide derived from human HINT1: 41-126/126

Lsotype

IgG

Purification

affinity purified by Protein A

Buffer Solution

1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

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

PubMed

[PubMed](#)

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.

**Product
Detail**

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

[Omim: 601314](#) Human

[SwissProt: P49773](#) Human

[SwissProt: P70349](#) Mouse

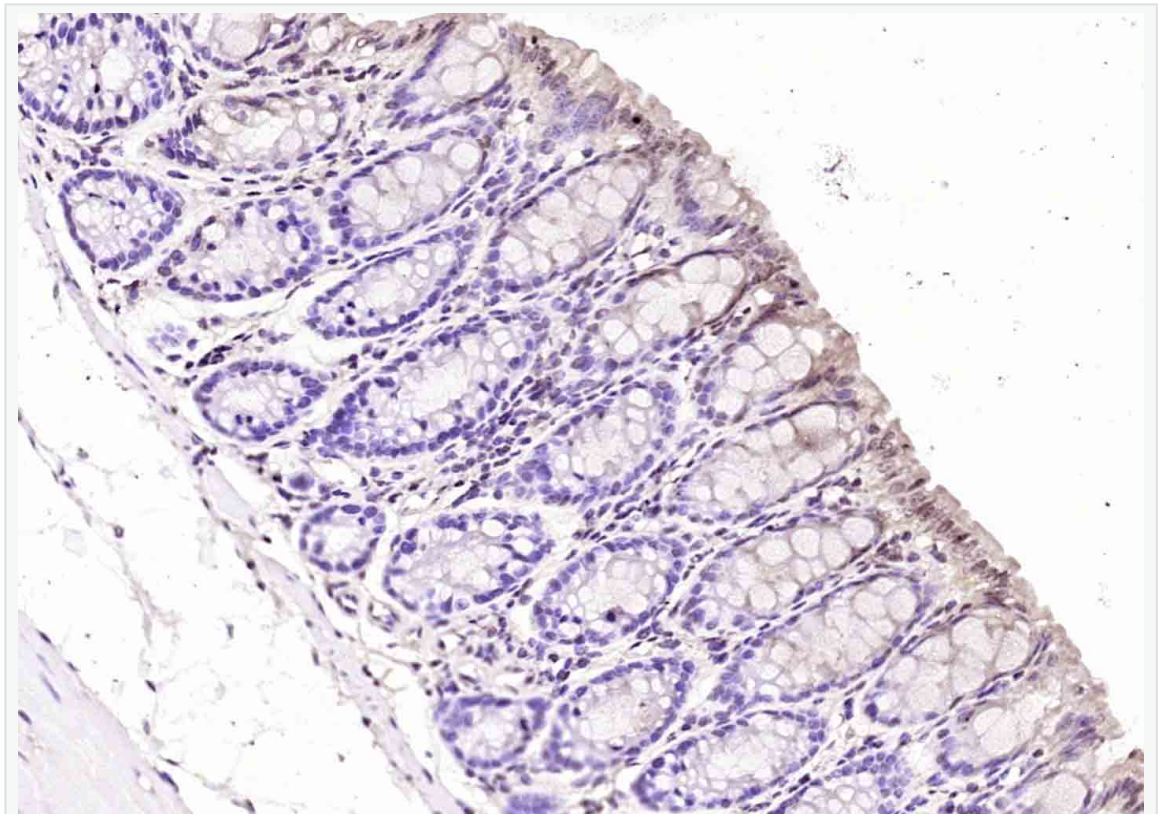
[SwissProt: P62959](#) Rat

[Unigene: 483305](#) Human

[Unigene: 425](#) Mouse

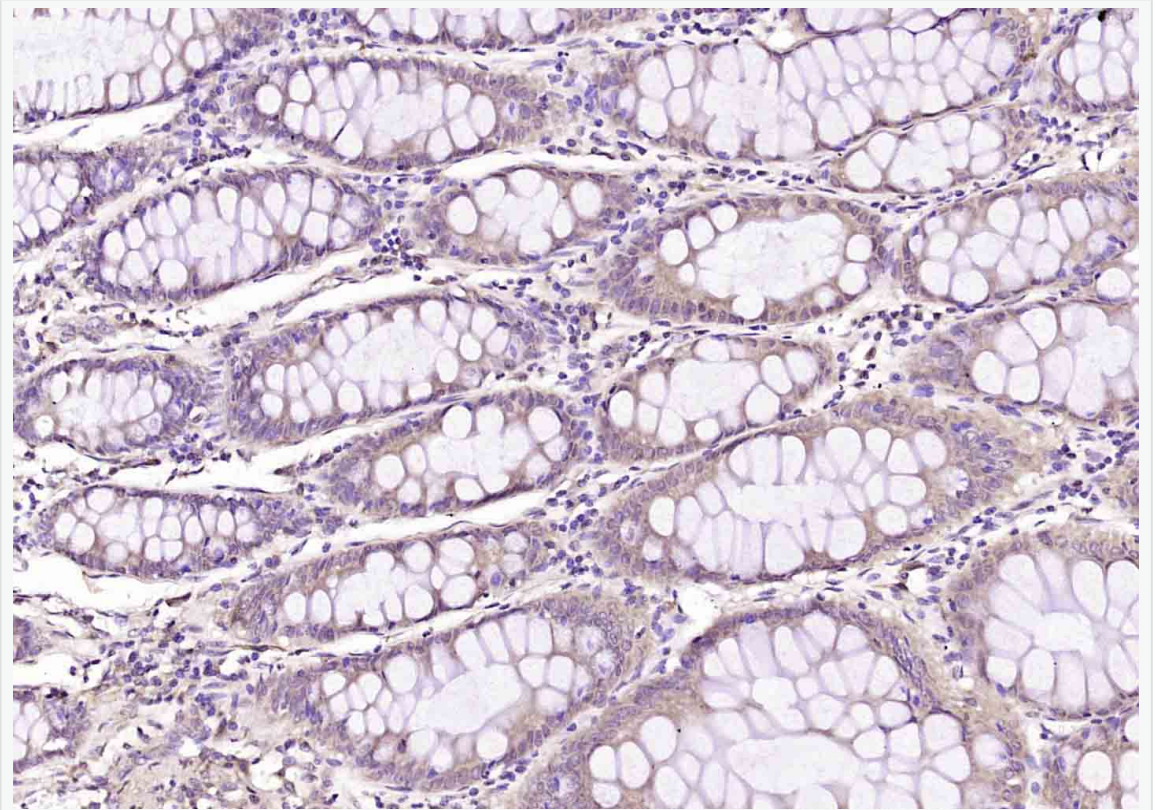
[Unigene: 138667](#) Rat

**Product
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) instructionsand 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) instructionsand DAB staining.