

For Research Use Only

HINT1 Polyclonal antibody

Catalog Number:10717-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

10717-1-AP

Concentration:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1142

GenBank Accession Number:

BC007090

GeneID (NCBI):

3094

UNIPROT ID:

P49773

Full Name:

histidine triad nucleotide binding protein 1

Calculated MW:

14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC: 1:300-1:1200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, rat brain tissue, rat thymus tissue, K-562 cells, Raji cells

IP : mouse brain tissue,

IHC : human colon cancer tissue, human breast cancer tissue

Background Information

HINT1(Histidine triad nucleotide-binding protein 1) is also named as HINT, PKCI1, PRKCNH1, which is a member of the histidine triad (HIT) family, highly conserved in diverse species and ubiquitously expressed in mammalian tissues. It hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH₂. This antibody is specific to HINT1.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------------|-----------|----------------------|-------------|
| Agnieszka Krakowiak | 25199874 | Biochim Biophys Acta | WB |
| Kellan T. Passow | 34661397 | J Med Chem | WB |
| Jing Yu | 31604935 | Nat Commun | IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

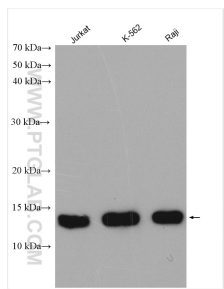
T: 4006900926

E: Proteintech-CN@ptglab.com

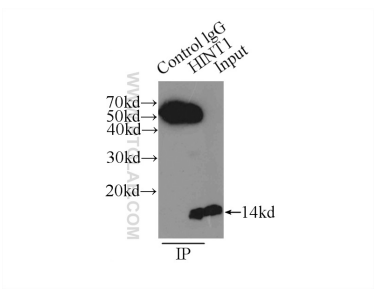
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

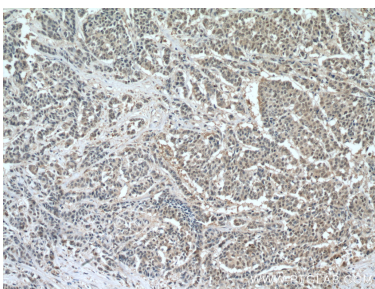
Selected Validation Data



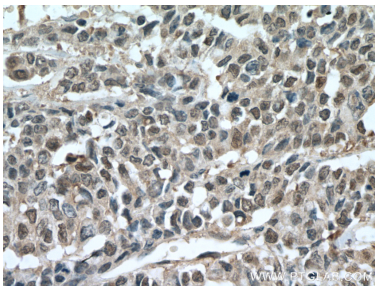
Various lysates were subjected to SDS PAGE followed by western blot with 10717-1-AP (HINT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-HINT1 (IP:10717-1-AP, 3ug; Detection:10717-1-AP 1:500) with mouse brain tissue lysate 7500ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10717-1-AP (HINT1 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10717-1-AP (HINT1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).