

For Research Use Only

HINT1 Polyclonal antibody

Catalog Number:10717-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

10717-1-AP

Size:

150ul , Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

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 ug 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, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

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

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

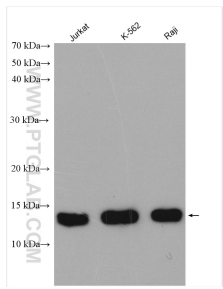
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

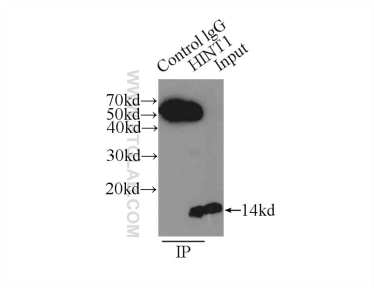
E: proteintech@ptglab.com
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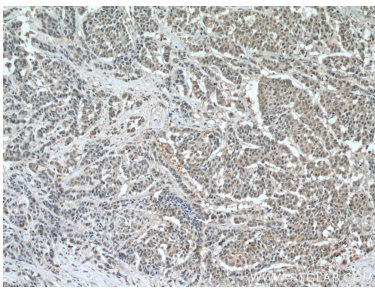
Selected Validation Data



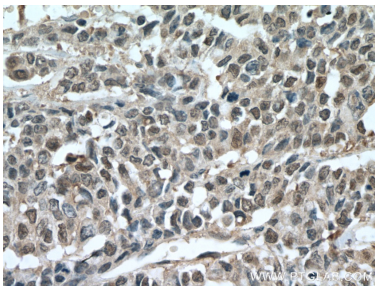
Various lysates were subjected to SDS PAGE followed by western blot with 10717-1-AP (HINT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).