

For Research Use Only

# HINT1 Polyclonal antibody

Catalog Number: 10717-1-AP

Featured Product

18 Publications



## Basic Information

<b>Catalog Number:</b> 10717-1-AP	<b>GenBank Accession Number:</b> BC007090	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3094	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:300-1:1200
<b>Source:</b> Rabbit	<b>Full Name:</b> histidine triad nucleotide binding protein 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 14 kDa	
<b>Immunogen Catalog Number:</b> AG1142	<b>Observed MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB:</b> Jurkat cells, rat brain tissue, rat thymus tissue, K-562 cells, Raji cells
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> mouse brain tissue,
<b>Cited Species:</b> human, mouse, rat	<b>IHC:</b> human colon cancer tissue, human breast cancer tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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-NH<sub>2</sub>. 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

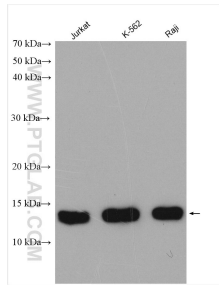
## Storage

**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

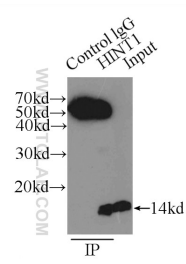
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

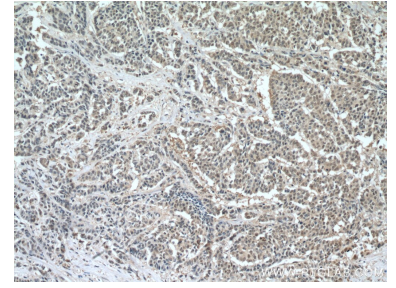
## Selected Validation Data



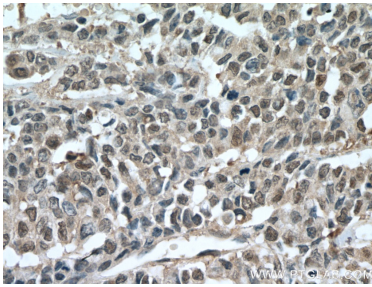
Various lysates were subjected to SDS PAGE followed by western blot with 10717-1-AP (HINT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).