

For Research Use Only

HP1BP3 Polyclonal antibody, PBS Only

Catalog Number: 24556-1-PBS



Basic Information

Catalog Number:

24556-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18709

GenBank Accession Number:

BC045660

GeneID (NCBI):

50809

UNIPROT ID:

Q555J5

Full Name:

heterochromatin protein 1, binding protein 3

Calculated MW:

553 aa, 61 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Heterochromatin protein 1 binding protein 3 (HP1BP3) associates with chromatin throughout the cell cycle and is required to maintain higher order chromatin structure during metaphase. HP1BP3 as a novel modulator of cognitive aging using a genetically diverse population of mice and confirm that HP1BP3 protein levels are significantly reduced in the hippocampi of cognitively impaired elderly humans relative to cognitively intact controls. Double-band staining is typical of HP1BP3 expression, indicative of multiple splice variants present in brain tissue.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

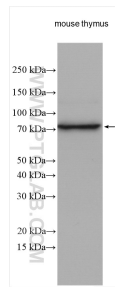
For technical support and original validation data for this product please contact:

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

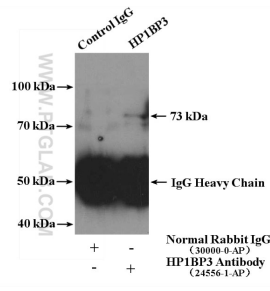
E: proteintech@ptglab.com
W: ptglab.com

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

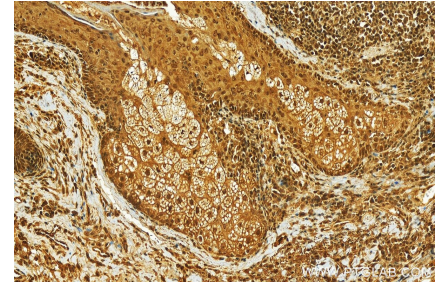
Selected Validation Data



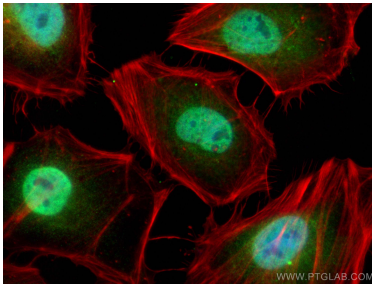
Mouse thymus lysates were subjected to SDS PAGE followed by western blot with 24556-1-AP (HP1BP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24556-1-PBS in a different storage buffer formulation.



IP result of anti-HP1BP3 (IP:24556-1-AP, 4ug; Detection:24556-1-AP 1:300) with HeLa cells lysate 3200ug. This data was developed using the same antibody clone with 24556-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 24556-1-AP (HP1BP3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24556-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HP1BP3 antibody (24556-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 24556-1-PBS in a different storage buffer formulation.