

For Research Use Only

HP1BP3 Polyclonal antibody, PBS Only

Catalog Number: 24556-1-PBS



Basic Information

Catalog Number:

24556-1-PBS

Size:

1 mg/ml

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

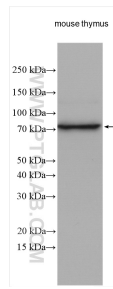
T: 4006900926

E: Proteintech-CN@ptglab.com

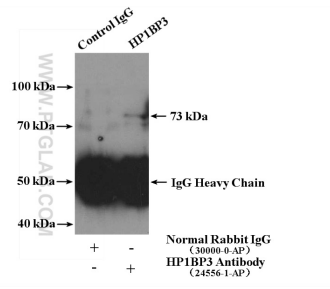
W: ptgcn.com

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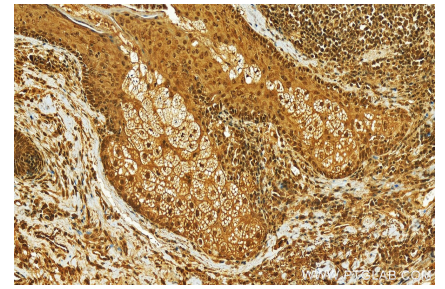
Selected Validation Data



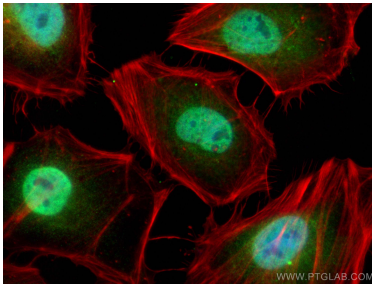
Mouse thymus lysates were subjected to SDS PAGE followed by western blot with 24556-1-AP (HP1BP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24556-1-PBS in a different storage buffer formulation.



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.