

For Research Use Only

Histone H1.5 Polyclonal antibody, PBS Only

Catalog Number: 18093-1-PBS



Basic Information

Catalog Number:

18093-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12818

GenBank Accession Number:

BC101581

GeneID (NCBI):

3009

UNIPROT ID:

P16401

Full Name:

histone cluster 1, H1b

Calculated MW:

226 aa, 23 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Histone H1.5, also known as Histone Cluster 1 H1 Family Member B (HIST1H1B), is a member of the Histone H1/H5 protein family. Histone H1.5 gene has been found to be frequently mutated in colorectal cancer and follicular lymphomas. HIST1H1B overexpression contributes to tumor aggressiveness. Histone H1.5 expression is upregulated in breast cancer and predicts poor prognosis (PMID: 34746019).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

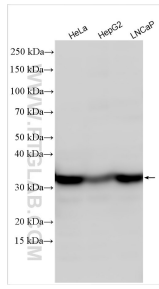
For technical support and original validation data for this product please contact:

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

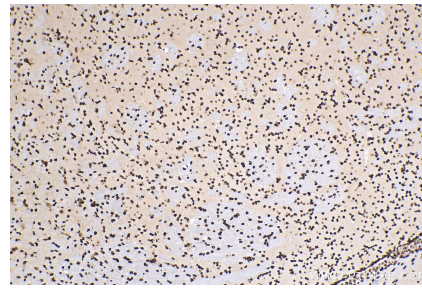
E: proteintech@ptglab.com
W: ptglab.com

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

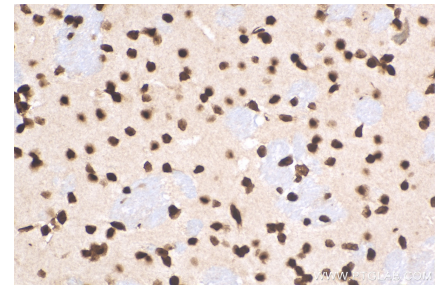
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18093-1-AP (Histone H1.5 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18093-1-PBS in a different storage buffer formulation.



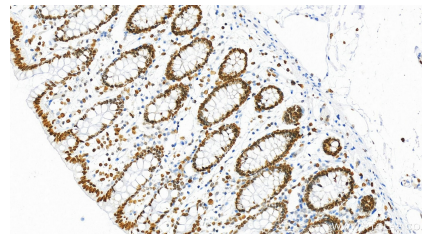
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18093-1-AP (Histone H1.5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18093-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18093-1-AP (Histone H1.5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18093-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using Histone H1.5 antibody (18093-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 18093-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 18093-1-AP (Histone H1.5 antibody) at dilution of 1:6000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18093-1-PBS in a different storage buffer formulation.