

For Research Use Only

Histone H1.2 Polyclonal antibody

Catalog Number: 19649-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number: 19649-1-AP	GenBank Accession Number: BC002649	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3006	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: histone cluster 1, H1c	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 21 kDa	IF 1:50-1:500
Immunogen Catalog Number: AG7503	Observed MW: 32-33 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse, Camelus bactrianus

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

Positive Controls:

WB : L02 cells, human testis tissue, Jurkat cells, MCF-7 cells, A375 cells, mouse thymus tissue

IP : HeLa cells,

IHC : human ovary tumor tissue,

IF : HeLa cells, HepG2 cells

Background Information

Histone H1 regulates chromatin competency through its high affinity binding to linker DNA as a structural component. It acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation. The calculated molecular weight of Histone H1.2 is 21 kDa, but modified Histone H1.2 is about 32 kDa. (PMID: 18258596)

Notable Publications

Author	Pubmed ID	Journal	Application
Jun Tian	34745423	Oxid Med Cell Longev	WB
Wen-Tong Liu	30340642	J Neuroinflammation	WB
Masanori Itakura	35624109	Nat Commun	WB

Storage

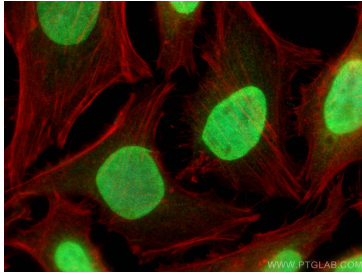
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

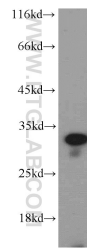
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

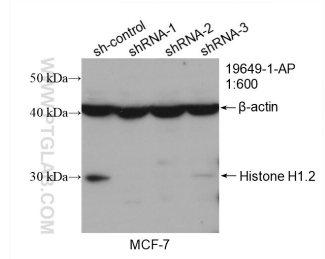
Selected Validation Data



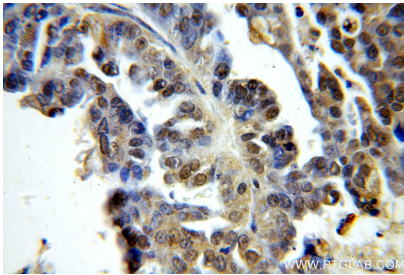
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Histone H1.2 antibody (19649-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



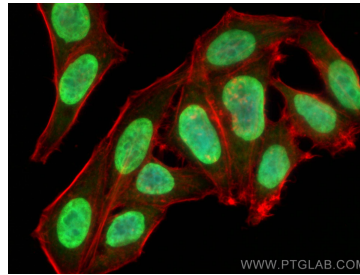
L02 cells were subjected to SDS PAGE followed by western blot with 19649-1-AP (HIST1H1C antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



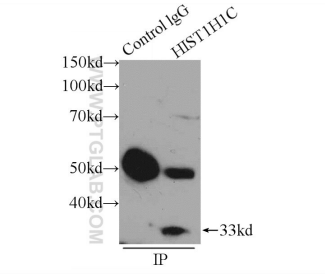
WB result of Histone H1.2 antibody (19649-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-Histone H1.2 transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 19649-1-AP (HIST1H1C antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Histone H1.2 antibody (19649-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IP Result of anti-Histone H1.2 (IP:19649-1-AP, 3ug; Detection:19649-1-AP 1:500) with HeLa cells lysate 1600ug.