

À des fins de recherche uniquement

Anticorps Monoclonal anti-Histone H3



Numéro de catalogue: 68345-1-Ig **2 Publications**

Informations de base

Numéro de catalogue: 68345-1-Ig	Numéro d'acquisition GenBank: BC066245	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 8350	CloneNo.: 1A2A3
Hôte: Mouse	Nom complet: histone cluster 1, H3a	Dilutions recommandées: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG2b	MW observés: 15 kDa	IHC 1:500-1:2000 IF 1:500-1:2000

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
chien, Humain, Lapin, poisson-zèbre, porc, poulet, rat, souris, Hamster, wheat

Espèces citées:
souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules CHO, cellules HEK-293, cellules HeLa, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules MDCK, cellules NIH/3T3, tissu cérébral de poulet, poisson-zèbre

IP : cellules HeLa,

IHC : tissu testiculaire de souris,

IF : cellules MCF-7, cellules A431, cellules HeLa

Informations générales

Histones are small, highly basic proteins that consist of a globular domain with unstructured N- and C-terminal tails protruding from the main structure. Histone H3 is one of the five main histones that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. In addition to their role in DNA compartmentalization, histones also play crucial roles in various biologic processes, including gene expression and regulation, DNA repair, chromatin condensation, cell cycle progression, chromosome segregation, and apoptosis. The ability of histones to regulate chromatin dynamics primarily originates from various posttranslational modifications carried out by histone-modifying enzymes.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yucheng He	37279389	Adv Sci (Weinh)	WB
Boying Zhao	37163872	Redox Biol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

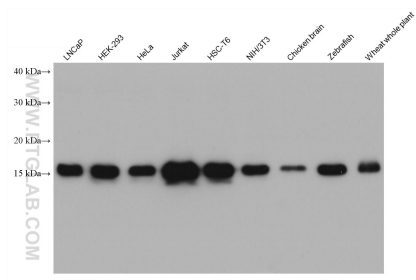
For technical support and original validation data for this product please contact:

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

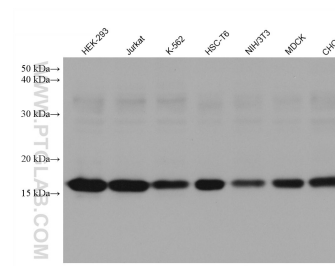
E: proteintech@ptglab.com
W: ptglab.com

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

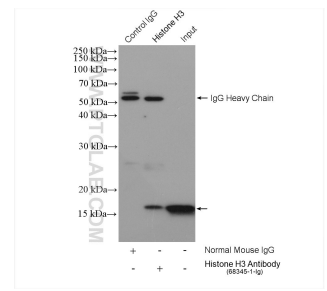
Données de validation sélectionnées



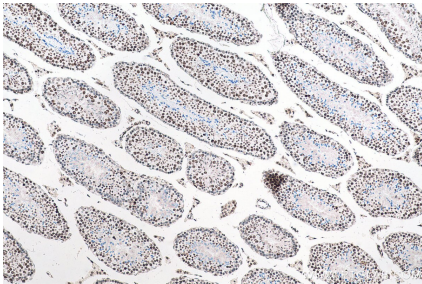
Various lysates were subjected to SDS PAGE followed by western blot with 68345-1-Ig (HIST1H3A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



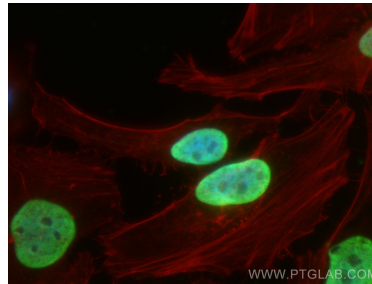
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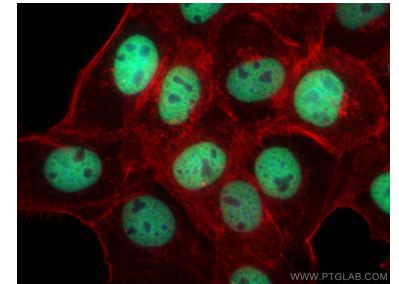
IP result of anti-Histone H3(IP:68345-1-Ig, 4ug; Detection:68345-1-Ig 1:2000) with HeLa cells lysate 1800 ug.



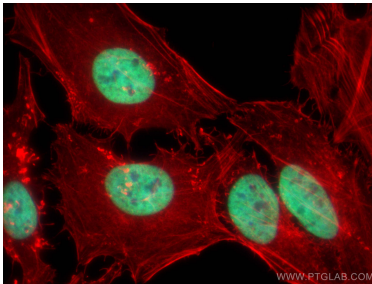
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68345-1-Ig (HIST1H3A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



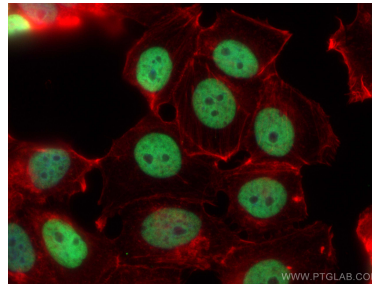
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Histone H3 antibody (68345-1-Ig, Clone: 1A2A3) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



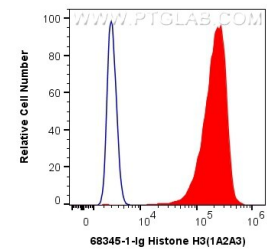
Immunofluorescent analysis of (4% PFA) fixed A431 cells using Histone H3 antibody (68345-1-Ig, Clone: 1A2A3) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Histone H3 antibody (68345-1-Ig, Clone: 1A2A3) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Histone H3 antibody (68345-1-Ig, Clone: 1A2A3) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human Histone H3 (68345-1-Ig, Clone:1A2A3) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).