

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Histone H2A.X



Numéro de catalogue: 10856-1-AP

89 Publications

Informations de base

Numéro de catalogue: 10856-1-AP	Numéro d'acquisition GenBank: BC013416	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 800 µg/ml by Nanodrop;	Identification du gène (NCBI): 3014	Dilutions recommandées: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Hôte: Lapin	Nom complet: H2A histone family, member X	
Isotype: IgG	MW calculé: 15 kDa	
Immunogen Catalog Number: AG1305	MW observés: 15-18 kDa	

Applications

Applications testées:

FC, IF, IHC, WB, ELISA

Demandes citées:

ChIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules HEK-293, cellules HEK-293, cellules HL-60, cellules Raji, rein de rat, rein de souris, tissu cardiaque de souris

IHC : tissu de lymphome humain,

IF : cellules HeLa, cellules HepG2, cellules U-251

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.

Informations générales

Histone H2A.X belongs to the histone H2A family, which is synthesized in G1 and S phase. It is involved in nucleosomal organization of chromatin together with other histone proteins, and is specially important for recombination between immunoglobulin switch regions. H2A.X becomes phosphorylated on serine 139 (to form gamma-H2AFX or H2AX139ph) in response to DNA double strand breaks (DSBs) generated by exogenous genotoxic agents and by stalled replication forks, which promotes DNA repair and maintains genomic stability. The calculated molecular weight of H2AX is 15 kDa, but the ubiquitinated H2A.X is about 22 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yong-Li Zhang	34679694	Antioxidants (Basel)	IF
Julia A Yaglom	25252808	Oncotarget	IHC
Daosen Chen	34659557	J Cancer	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.

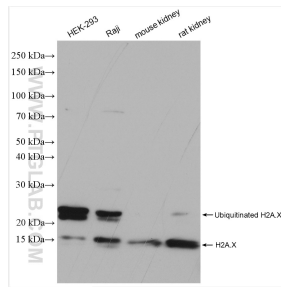
For technical support and original validation data for this product please contact:

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.

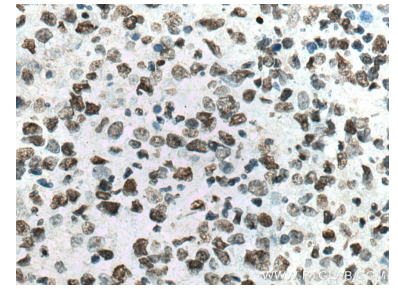
Données de validation sélectionnées



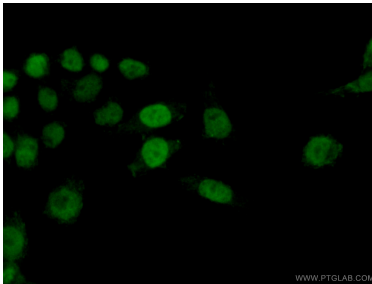
Various lysates were subjected to SDS PAGE followed by western blot with 10856-1-AP (Histone H2A.X antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



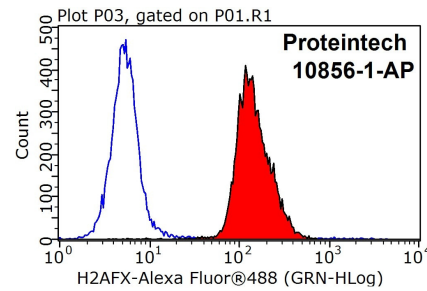
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 10856-1-AP (Histone H2A.X antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



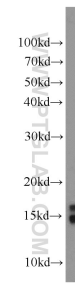
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 10856-1-AP (Histone H2A.X antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10856-1-AP (Histone H2A.X antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HepG2 cells were stained with 0.2ug Histone H2A.X antibody (10856-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Raji cells were subjected to SDS PAGE followed by western blot with 10856-1-AP (H2AFX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.