

Nur für Forschungszwecke

Histone H2A.X Polyklonaler Antikörper



Katalog-Nr.:10856-1-AP

82 Publikationen

Allgemeine Informationen

Katalog-Nr.: 10856-1-AP	GenBank-Zugangsnummer: BC013416	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 3014	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: H2A histone family, member X	
Isotyp: IgG	Berechnete Masse: 15 kDa	
Immunogen Katalognummer: AG1305	Beobachtete Masse: 15-18 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB,ELISA	Positivkontrollen: WB : HEK-293-Zellen, HL-60-Zellen, Mausherzgewebe, Raji-Zellen IHC : humanes Lymphomgewebe, IF : HeLa-Zellen, HepG2-Zellen, U-251-Zellen
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

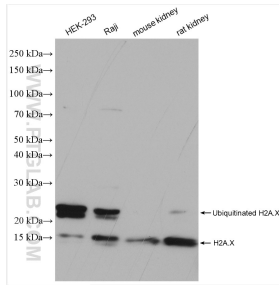
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 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
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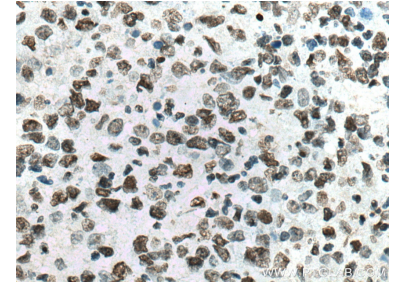
Ausgewählte Validierungsdaten



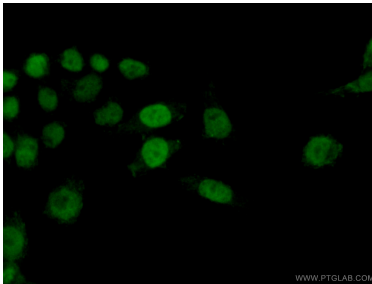
Various lysates were subjected to SDS PAGE followed by western blot with 10856-1-AP (Histone H2A.X antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



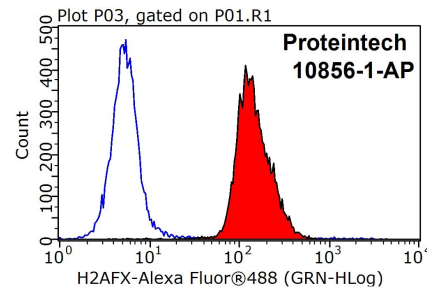
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 10856-1-AP (Histone H2A.X antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



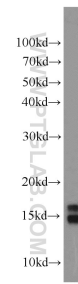
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 10856-1-AP (Histone H2A.X antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 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.