

Nur für Forschungszwecke

Histone H4 Polyklonaler Antikörper

Katalog-Nr.:16047-1-AP

Vorgestelltes Produkt

49 Publikationen



Allgemeine Informationen

Katalog-Nr.: 16047-1-AP	GenBank-Zugangsnummer: BC012587	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 8367	Empfohlene Verdünnungen: WB 1:500-1:1000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: histone cluster 1, H4e	IHC 1:400-1:1600 IF 1:20-1:200
Isotyp: IgG	Berechnete Masse: 102 aa, 11 kDa	
Immunogen Katalognummer: AG8999	Beobachtete Masse: 14 kDa, 11 kDa	

Anwendungen

Geprüfte Anwendungen:
ChIP, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
ChIP, IF, IHC, IP, RIP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Hefe, Human, Maus, Ratte, Rind

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

Positivkontrollen:

WB: HeLa-Zellen, HepG2-Zellen, HT-1080.Zellen, Mäusnierengewebe, Maus-Thymusgewebe, MCF-7-Zellen, Ratten-Thymusgewebe

IP: HeLa-Zellen,

IHC: Maus-Dünndarmgewebe, humanes Mammakarzinomgewebe, Maus-Kolongewebe

IF: HeLa-Zellen,

Hintergrundinformationen

Histone H4 is a 103 amino acid protein, which belongs to the histone H4 family. Histone H4 localizes in the nucleus and is a core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yan Sun	34564701	Cell Death Dis	IP
Liwei Weng	32978498	Sci Rep	WB,IP
Liangde Zheng	31525119	Autophagy	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

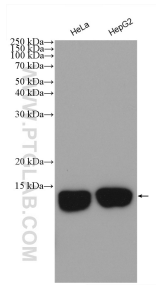
For technical support and original validation data for this product please contact:

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

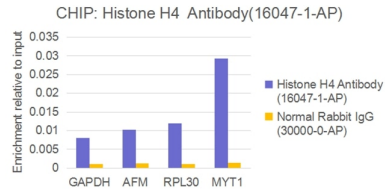
E: proteintech@ptglab.com
W: ptglab.com

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

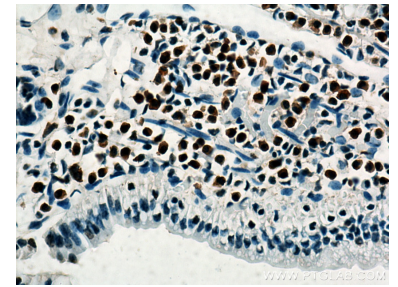
Ausgewählte Validierungsdaten



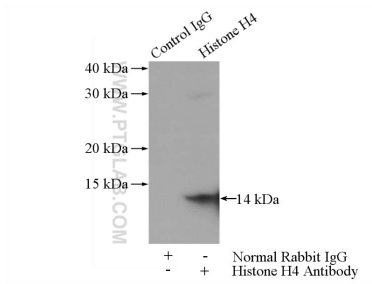
HeLa cells were subjected to SDS PAGE followed by western blot with 16047-1-AP (Histone H4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



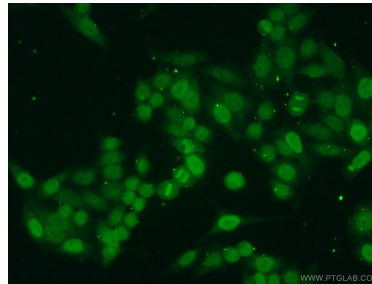
Chromatin was prepared from HEK-293 cells. The ChIP was performed with 10 µg of cross-linked chromatin, 5 µg of 16047-1-AP or Normal Rabbit IgG, and 60µl of Protein A sepharose beads. The immunoprecipitated DNA was quantified by real time PCR. Primers are located in the first kb of the transcribed region.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 16047-1-AP (Histone H4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-Histone H4 (IP:16047-1-AP, 3µg; Detection:16047-1-AP 1:600) with HeLa cells lysate 2000µg.



Immunofluorescent analysis of HeLa cells using 16047-1-AP (Histone H4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).