Nur für Forschungszwecke

Histone-H3 Polyklonaler Antikörper

Katalog-Nr.:17168-1-AP 666 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
17168-1-AP

Größe:
150ul , Konzentration: 600 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG10644

GenBank-Zugangsnummer:
BC015544

GeneID (NCBI):
333932

Vollständiger Name:
histone cluster 2, H3a

Berechneté Masse:
136 aa, 15 kDa

Beobachteté Masse:
15-17 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:2000-1:16000
IP 0.5-4.0 ug für IP und 1:2000-1:16000 für WB
IHC 1:50-1:500
IF 1:20-1:200

Anwendungen

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

In Publikationen genannte Anwendungen:
ChIP, CoIP, IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Affe, Arabidopsis, Ente, Fisch, Huhn, Human, Hund, Rind, Ziege, Frosch

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

Positivkontrollen:

WB : HEK-293-Zellen, A549-Zellen, HeLa-Zellen, HepG2-Zellen, HepG-Zellen, Maushirngewebe, Mauslebergewebe, Mausnierengewebe, Maus-Skelettmuskelgewebe, MCF-7-Zellen, NIH/3T3-Zellen, Rattennierengewebe

IP : MCF-7-Zellen,

IHC : humanes Ösophaguskarzinomgewebe, humanes Hautkrebsgewebe, humanes Mammakarzinomgewebe

IF : HEK-293-Zellen, HeLa-Zellen

Hintergrundinformationen

Histone-H3, histone cluster 2, H3a is the core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machinery which requires 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. Histone-H3 is expressed during S phase; then expression strongly decreases as cell division slows down during the process of differentiation.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yuqian Wang	32942847	J Agric Food Chem	WB
Dan-Qian Chen	33062239	Ther Adv Chronic Dis	WB
Jie Gao	34592151	Cell Rep	WB

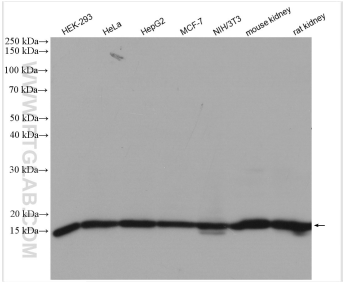
Lagerung

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

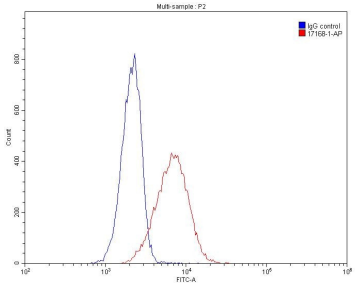
*** 20ul-Größen enthalten 0.1% BSA

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

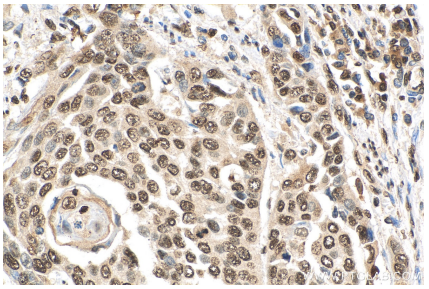
Ausgewählte Validierungsdaten



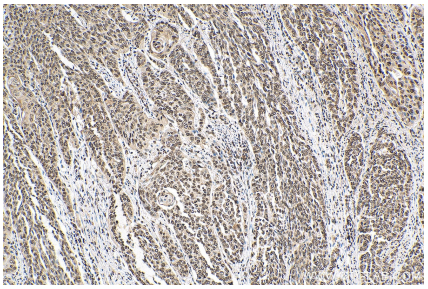
Various lysates were subjected to SDS PAGE followed by western blot with 17168-1-AP (Histone-H3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



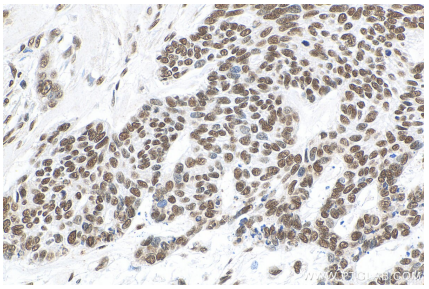
1X10^6 HeLa cells were stained with 0.20ug Histone-H3 antibody (17168-1-AP, red) and control antibody (blue). Fixed with 90% MeOH.



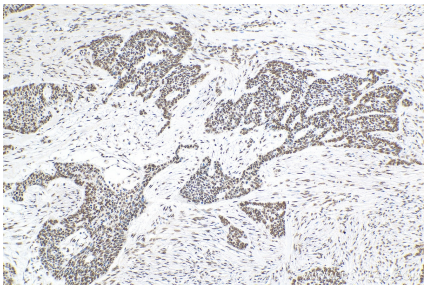
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 17168-1-AP (Histone-H3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



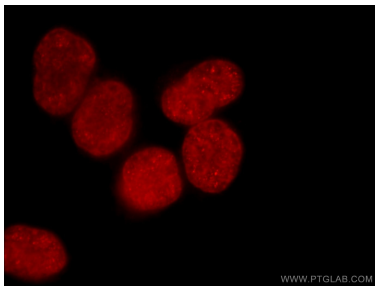
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 17168-1-AP (Histone-H3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



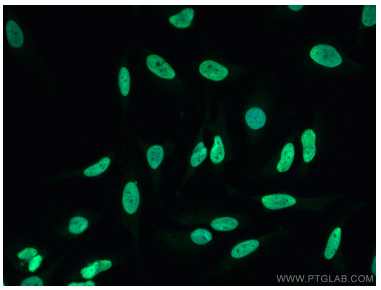
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 17168-1-AP (Histone-H3 antibody) at dilution of 1:200 (under 40x lens).



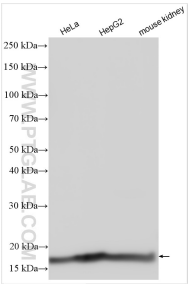
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 17168-1-AP (Histone-H3 antibody) at dilution of 1:200 (under 10x lens).



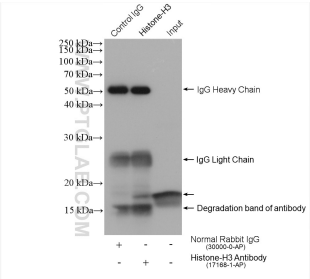
Immunofluorescent analysis of HEK-293 cells using 17168-1-AP (Histone-H3 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.

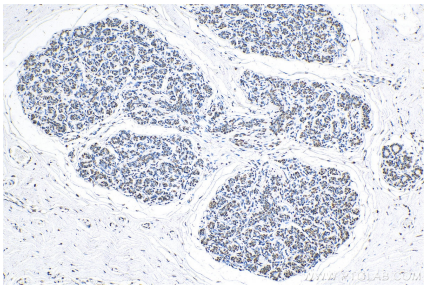


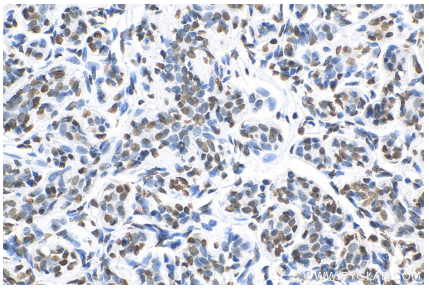
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Histone-H3 antibody (17168-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



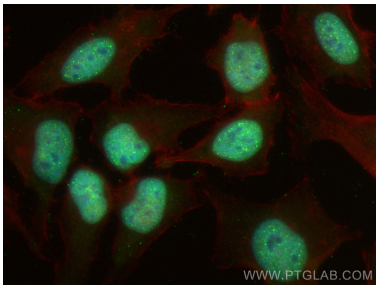
Various lysates were subjected to SDS PAGE followed by western blot with 17168-1-AP (Histone-H3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.







IP result of anti-Histone-H3(IP:17168-1-AP, 4ug; Detection:17168-1-AP 1:8000) with MCF-7 cells lysate 2120 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Histone-H3 antibody (17168-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17168-1-AP (Histone-H3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17168-1-AP (Histone-H3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).