

Nur für Forschungszwecke

CHAF1A Polyklonaler Antikörper

Katalog-Nr.: 17037-1-AP

Vorgestelltes Produkt

6 Publikationen



Allgemeine Informationen

Katalog-Nr.: 17037-1-AP	GenBank-Zugangsnummer: BC067093	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 10036	Empfohlene Verdünnungen: WB 1:1000-1:4000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: chromatin assembly factor 1, subunit A (p150)	Berechnete Masse: 956 aa, 107 kDa
Isotyp: IgG	Beobachtete Masse: 150 kDa	Immunogen Katalognummer: AG10536

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

ChIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus

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

Positivkontrollen:

WB : Jurkat-Zellen, HeLa-Zellen

IP : Jurkat-Zellen,

IHC : humanes Zervixgewebe,

Hintergrundinformationen

Chromatin assembly factor 1 (CAF1) is the only histone chaperone known to assemble histones H3 and H4 onto newly synthesized DNA both in vitro and in vivo [PMID:17065558]. The 938 amino acid multidomain p150 (CHAF1A) binds via its C-terminal third to p60, which is an essential step for nucleosome assembly because knocking down either subunit disrupts the activity [PMID:14519857]. In addition, CAF1 facilitates DNA synthesis depending on the binding of the N-terminal 31 residues of p150 to the proliferating cell nuclear antigen (PCNA), which acts as a sliding clamp to stimulate the processivity of DNA polymerase [PMID:10648606]. CHAF1A regulates the formation of heterochromatin in mammalian cells during replication and in plants it maintains the transcription of certain subsets of genes. Furthermore, CHAF1A exists in a chromatin-remodeling complex WINAC, which coactivates ligand-induced transactivation function of the vitamin D receptor [PMID:12837248]. CHAF1A protein exists some phosphorylation sites, which may affect its theoretical molecular weight when tested. And a 150 kDa band was recognized [PMID:27445493].

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Nasim A Begum	22843687	J Biol Chem	WB
Takashi Ishiuchi	33169018	Nat Struct Mol Biol	WB
Xiancai Ma	33739466	EMBO J	ChIP

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**

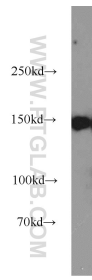
For technical support and original validation data for this product please contact:

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

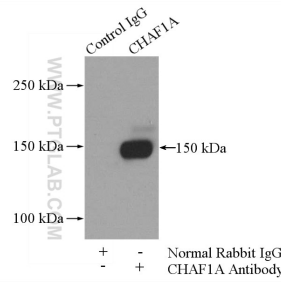
E: proteintech@ptglab.com
W: ptglab.com

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

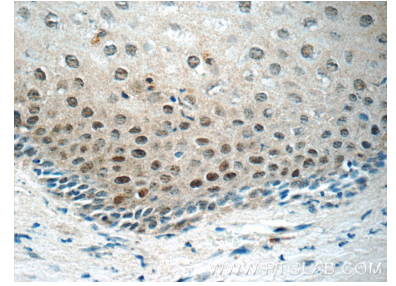
Ausgewählte Validierungsdaten



Jurkat cells were subjected to SDS PAGE followed by western blot with 17037-1-AP (CHAF1A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-CHAF1A (IP:17037-1-AP, 4 μ g; Detection:17037-1-AP 1:1000) with Jurkat cells lysate 2400 μ g.



Immunohistochemical analysis of paraffin-embedded human cervix tissue slide using 17037-1-AP (CHAF1A Antibody) at dilution of 1:50 (under 40 \times lens).