

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CHAF1A



Numéro de catalogue: 17037-1-AP

Phare

6 Publications

Informations de base

Numéro de catalogue:

17037-1-AP

Taille:

150ul, Concentration: 600 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG10536

Numéro d'acquisition GenBank:

BC067093

Identification du gène (NCBI):

10036

Nom complet:

chromatin assembly factor 1, subunit A (p150)

MW calculé

956 aa, 107 kDa

MW observés:

150 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:20-1:200

Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

ChIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules Jurkat, cellules HeLa

IP : cellules Jurkat,

IHC : tissu de col de l'utérus humain,

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

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).

Publications notables

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

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:

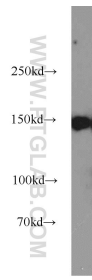
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

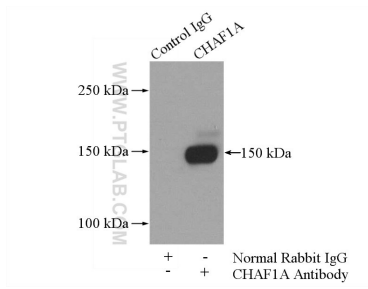
W: ptglab.com

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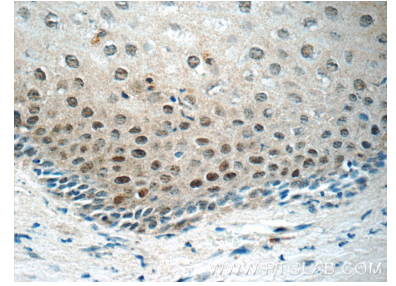
Données de validation sélectionnées



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).