

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CHD4



Numéro de catalogue: 14173-1-AP

Phare

8 Publications

Informations de base

Numéro de catalogue: 14173-1-AP	Numéro d'acquisition GenBank: BC038596	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 350 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 1108	Dilutions recommandées: WB 1:500-1:3000
Hôte: Lapin	Nom complet: chromodomain helicase DNA binding protein 4	IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Isotype: IgG	MW calculé: 1937 aa, 221 kDa	IHC 1:50-1:500
Immunogen Catalog Number: AG5372	MW observés: 260 kDa	IF 1:200-1:800

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

ChIP, CoIP, IF, IHC, WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa

IP : cellules HeLa,

IHC : tissu de cancer du col de l'utérus humain,

IF : cellules HeLa, cellules A549

Informations générales

Chromodomain helicase DNA-binding protein 4 (CHD4) is an ATP dependent chromatin remodeler and a major subunit of the repressive NuRD complex [PMID:9790534]. This complex plays key roles in transcriptional regulation and reorganization and maintenance of chromatin structure, as it targets pericentromeric heterochromatin and has recently been implicated in DNA damage repair, being rapidly recruited to DNA double strand breaks [PMID:17694084]. CHD4 is a novel BRIT1 binding partner that regulates the HR repair process, which is a critical pathway of repairing DNA double strand breaks and plays an essential role in maintaining genomic integrity [PMID:22219182]. The calculated molecular weight of CHD4 is 218 kDa, but modified CHD4 is about 250-280 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jun Zhang	36075559	Cell Signal	WB,IHC
Xiaoyun Sun	35650610	Mol Autism	WB
B A Vishwakarma	26205084	Leukemia	

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.

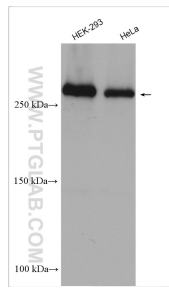
For technical support and original validation data for this product please contact:

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

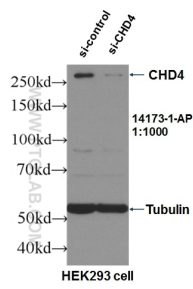
E: proteintech@ptglab.com
W: ptglab.com

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

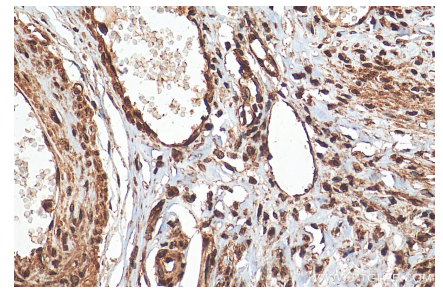
Données de validation sélectionnées



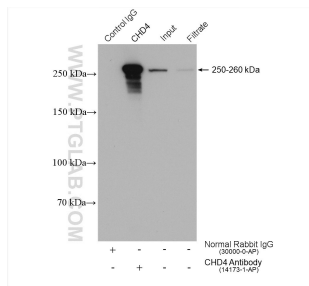
Various lysates were subjected to SDS PAGE followed by western blot with 14173-1-AP (CHD4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



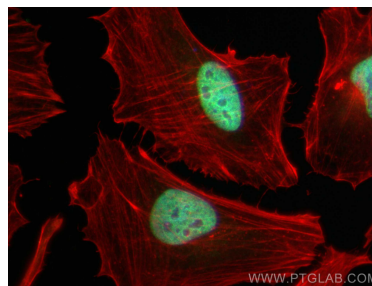
WB result of CHD4 antibody (14173-1-AP, 1:1000) with si-Control and si-CHD4 transfected HEK293 cells.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 14173-1-AP (CHD4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CHD4(IP:14173-1-AP, 4ug; Detection:14173-1-AP 1:1000) with HeLa cells lysate 1880 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CHD4 antibody (14173-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).