

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-CTCF



Numéro de catalogue: 10915-1-AP

3 Publications

## Informations de base

Numéro de catalogue:

10915-1-AP

Taille:

150ul, Concentration: 400 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG1340

Numéro d'acquisition GenBank:

BC014267

Identification du gène (NCBI):

10664

Nom complet:

CCCTC-binding factor (zinc finger protein)

MW calculé

83 kDa

MW observés:

55-100 kDa, 130-150 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

IF 1:50-1:500

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

ChIP, RIP, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain

Contrôles positifs:

WB : tissu cérébral humain, cellules 4T1, cellules HEK-293T

IP : cellules MCF-7,

IHC : tissu de lymphome humain,

IF : cellules HepG2,

**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

Transcriptional insulators are DNA elements that set boundaries on the actions of enhancer and silencer elements and thereby organize the eukaryotic genome into regulatory domains. All vertebrate insulators appear to use the versatile CTCF protein. CTCF uses various combinations of its 11 zinc fingers to recognize a variety of unrelated DNA sequences. Once bound to DNA, CTCF can function as a transcriptional insulator, repressor, or activator, depending on the context of the binding site [PMID:12787766,15454938]. In vertebrates, this 11 zinc-finger protein is shown to be crucial in processes of epigenetic imprinting, X chromosome inactivation, and associated with various complex human diseases including cancer and diabetes [PMID:23139640]. The calculated molecular weight of CTCF is 83 kDa, but stimulation of human corneal epithelial cells with hypoxic stress suppressed a high molecular mass form of CTCF (150 kDa), but not a lower molecular weight form of CTCF (130 kDa) (PMID: 22354964), and there are multiple isoforms of CTCF with molecular masses of 55, 70, 73, 80, 97, and 130 kDa have been observed (PMID: 12878173).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Haoxue Wang	34665859	Carcinogenesis	WB
Tao Chen	34634929	mBio	ChIP
Yanwen Hou	37348736	Sci Total Environ	RIP

## 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:

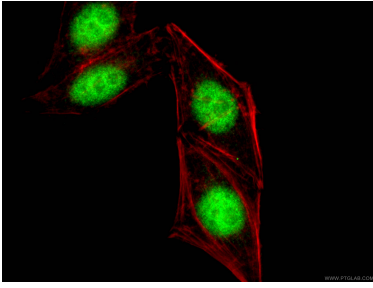
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

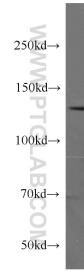
W: ptglab.com

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

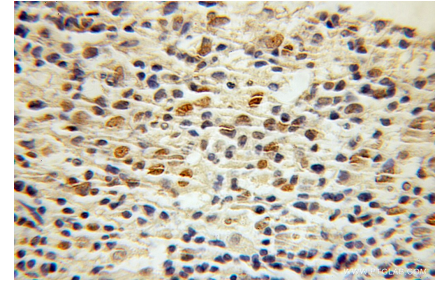
## Données de validation sélectionnées



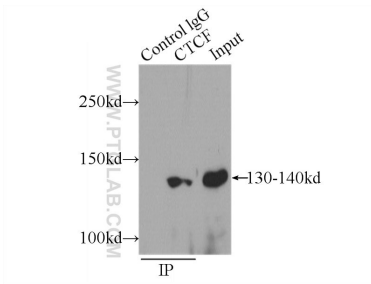
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10915-1-AP (CTCF antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human brain tissue were subjected to SDS PAGE followed by western blot with 10915-1-AP (CTCF antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10915-1-AP (CTCF antibody) at dilution of 1:100 (under 10x lens).



IP Result of anti-CTCF (IP:10915-1-AP, 5ug; Detection:10915-1-AP 1:300) with MCF-7 cells lysate 2560ug.