

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-CTCF



Numéro de catalogue: 30428-1-AP

## Informations de base

|   |   |   |
|---|---|---|
| <b>Numéro de catalogue:</b><br>30428-1-AP                       | <b>Numéro d'acquisition GenBank:</b><br>BC014267                  | <b>Méthode de purification:</b><br>Purification par affinité contre l'antigène                        |
| <b>Taille:</b><br>150ul , Concentration: 700 µg/ml by Nanodrop; | <b>Identification du gène (NCBI):</b><br>10664                    | <b>Dilutions recommandées:</b><br>WB 1:2000-1:16000<br>IP 0.5-4.0 ug for IP and 1:2000-1:16000 for WB |
| <b>Hôte:</b><br>Lapin   | <b>Nom complet:</b><br>CCCTC-binding factor (zinc finger protein) |   |
| <b>Isotype:</b><br>IgG  | <b>MW calculé</b><br>83 kDa                                       |   |
| <b>Immunogen Catalog Number:</b><br>AG32417                     | <b>MW observés:</b><br>110-150 kDa                                |   |

## Applications

|   |   |
|---|---|
| <b>Applications testées:</b><br>IP, WB, ELISA     | <b>Contrôles positifs:</b>  |
| <b>Spécificité de l'espèce:</b><br>Humain, souris | <b>WB :</b> cellules HEK-293, cellules MCF-7, cellules RAW 264.7<br><b>IP :</b> cellules MCF-7, |

## 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).

## 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.

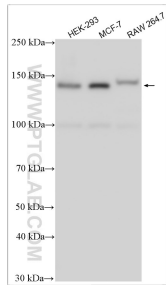
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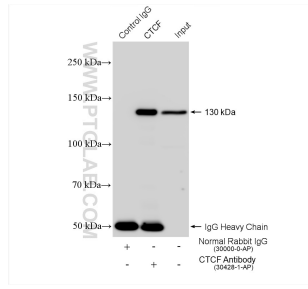
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 30428-1-AP (CTCF antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-CTCF (IP:30428-1-AP, 4ug; Detection:30428-1-AP 1:8000) with MCF-7 cells lysate 1880 ug.