For Research Use Only

CTCF Polyclonal antibody

Catalog Number:30428-1-AP



| Basic Information | Catalog Number: 30428-1-AP | GenBank Accession BC014267 | Number: | Purification Method: Antigen affinity purification | | | |
|--|--|--|---|--|-----------------------------|---------------------------------------|--|
| | Size: | GeneID (NCBI): 10664 UNIPROT ID: P49711 Full Name: CCCTC-binding factor (zinc finger protein) Calculated MW: 83 kDa | | Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:400-1:1600 IF/ICC 1:800-1:3200 | | | |
| | 700 µg/ml | | | | | | |
| | Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG32417 | | | | | | |
| | | | | | Observed MW: 110-150 kDa | | |
| | | | | | Applications | Tested Applications: | |
| | | WB, IP, IF/ICC, IHC, ELISA | | WB: HEK-293 | | 3 cells, MCF-7 cells, RAW 264.7 cells | |
| Species Specificity: Human, mouse | | IP : MCF-7 cells, | | | | | |
| Note-IHC: suggested antigen retrieval with | | IHC : mouse lung tissue, | | | | | |
| | Note-IHC: suggested antige | n retrieval with | Inc: mouse | lung tissue, | | | |
| | Note-IHC: suggested antige TE buffer pH 9.0; (*) Alterno retrieval may be performed buffer pH 6.0 | rtively, antigen | IF/ICC : Hep | - | | | |
| Background Information | TE buffer pH 9.0; (*) Alterno retrieval may be performed buffer pH 6.0 Transcriptional insulators are DNA and thereby organize the eukaryo versatile CTCF protein. CTCF uses DNA sequences. Once bound to DN depending on the context of the bi shown to be crucial in processes o complex human diseases includir is 83 kDa, but stimulation of huma form of CTCF (150 kDa), but not a | atively, antigen with citrate elements that set boun tic genome into regulato various combinations o IA, CTCF can function as nding site [PMID:12787' f epigenetic imprinting, g cancer and diabetes [I in corneal epithelial cel lower molecular weight | IF/ICC : Hep daries on the act ory domains. All f its 11 zinc fing a transcriptiona 766,15454938]. I X chromosome i PMID:23139640]. Is with hypoxics form of CTCF (1 | G2 cells, tions of enhancer and silencer elements vertebrate insulators appear to use the ers to recognize a variety of unrelated | | | |
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For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



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.



Immunohistochemical analysis of paraffinembedded mouse lung tissue slide using 30428-1-AP (CTCF antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse lung tissue slide using 30428-1-AP (CTCF antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CTCF antibody (30428-1-AP) at dilution of 1:1600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).