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anti-CTCF antibody (AA 1-260)





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Quantity:	100 μL
Target:	CTCF
Binding Specificity:	AA 1-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTCF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (IP)

Product Details

Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human CTCF (NP_006556.1).
Sequence:	MEGDAVEAIV EESETFIKGK ERKTYQRRRE GGQEEDACHL PQNQTDGGEV VQDVNSSVQM VMMEQLDPTL LQMKTEVMEG TVAPEAEAAV DDTQIITLQV VNMEEQPINI GELQLVQVPV PVTVPVATTS VEELQGAYEN EVSKEGLAES EPMICHTLPL PEGFQVVKVG ANGEVETLEQ GELPPQEDPS WQKDPDYQPP AKKTKKTKKS KLRYTEEGKD VDVSVYDFEE EQQEGLLSEV NAEKVVGNMK PPKPTKIKKK
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details Purification: Affinity purification **Target Details** Target: **CTCF** CTCF (CTCF Products) Alternative Name Background: This gene is a member of the BORIS + CTCF gene family and encodes a transcriptional regulator protein with 11 highly conserved zinc finger (ZF) domains. This nuclear protein is able to use different combinations of the ZF domains to bind different DNA target sequences and proteins. Depending upon the context of the site, the protein can bind a histone acetyltransferase (HAT)-containing complex and function as a transcriptional activator or bind a histone deacetylase (HDAC)-containing complex and function as a transcriptional repressor. If the protein is bound to a transcriptional insulator element, it can block communication between enhancers and upstream promoters, thereby regulating imprinted expression. Mutations in this gene have been associated with invasive breast cancers, prostate cancers, and Wilms' tumors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene., CTCF, MRD21, CTCF, Epigenetics & Nuclear Signaling, CTCF 45 kDa/82 kDa Molecular Weight: Gene ID: 10664 UniProt: P49711 **Application Details Application Notes:** WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:100,ChIP,1:50 - 1:200 Restrictions: For Research Use only Handling Format: Liquid Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Avoid freeze / thaw cycles

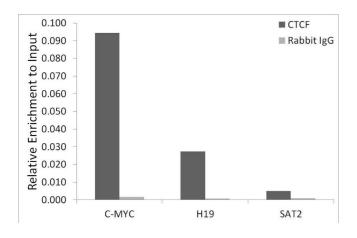
Handling Advice:

Handling

Storage:	-20 °C
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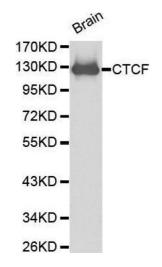
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



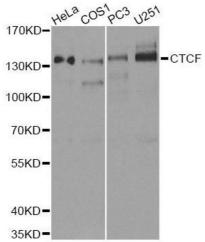
Chromatin Immunoprecipitation

Image 1. Chromatin immunoprecipitation analysis of extracts of HeLa cells, using CTCF antibody (ABIN3021506, ABIN3021507, ABIN3021508 and ABIN6215164) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CTCF antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN3021507.