

CTCF Polyclonal Antibody | anti-CTCF antibody

Anti-CTCF Antibody

CATALOG # AAA46395	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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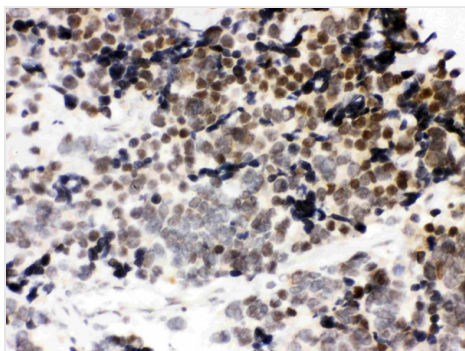
PRODUCT SYNONYMS

CTCF; Polyclonal Antibody; Anti-CTCF Antibody; Transcriptional repressor CTCF; 11 zinc finger protein; 11 zinc finger transcriptional repressor; 11-zinc finger protein; CCCTC binding factor (zinc finger protein); CCCTC binding factor; CCCTC-binding factor; Ctf; CTCF_HUMAN; CTCFL paralog; CCCTC-binding factor (zinc finger protein); anti-CTCF antibody

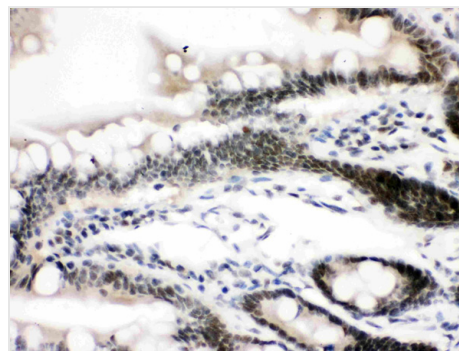
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	399
Applicable Applications for anti-CTCF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CTCF recombinant protein (Position: K521-R727). Human CTCF shares 94% and 93.1% amino acid (aa) sequence identity with mouse and rat CTCF, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

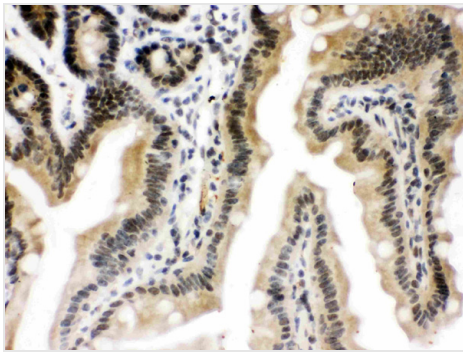
IMAGES



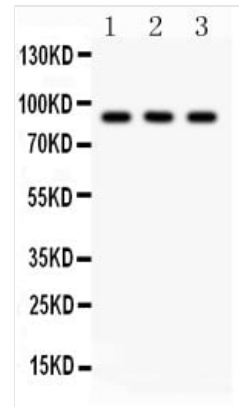
IHC (Immunohistochemistry)
Anti-CTCF Picoband antibody, AAA46395, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti-CTCF Picoband antibody, AAA46395, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti-CTCF Picoband antibody, AAA46395, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti-CTCF Picoband antibody, AAA46395, Western blottingAll lanes: Anti CTCF (AAA46395) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: Rat Gaster Tissue Lysate at 50ugLane 3: Human Placenta Tissue Lysate at 50ugPredicted bind size: 88KDObserved bind size: 88KD

ADDITIONAL INFORMATION

Related Product Information for anti-CTCF antibody	Description: Rabbit IgG polyclonal antibody for Transcriptional repressor CTCF(CTCF) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Transcriptional repressor CTCF also known as 11-zinc finger protein or CCCTC-binding factor is a transcription factor that in humans is encoded by the CTCF gene. 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. And 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.
References	1. Chaumeil J, Skok JA (April 2012). "The role of CTCF in regulating V(D)J recombination". Curr. Opin. Immunol. 24(2): 153-9. 2. Filippova GN, Fagerlie S, Klenova EM, Myers C, Dehner Y, Goodwin G, Neiman PE, Collins SJ, Lobanenkov VV (June 1996). "An exceptionally conserved transcriptional repressor, CTCF, employs different combinations of zinc fingers to bind diverged promoter sequences of avian and mammalian c-myc oncogenes". Mol. Cell. Biol. 16 (6): 2802-13. 3. Phillips JE, Corces VG (June 2009)."CTCF: master weaver of the genome".Cell 137 (7): 1194-211.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300388142
NCBI GeneID	10664
NCBI Accession #	NP_001177951.1
NCBI GenBank Nucleotide #	NM_001191022.1
UniProt Accession #	P49711; Q53XI7; Q59EL8; B5MC38
Molecular Weight	45,998 Da
NCBI Official Full Name	transcriptional repressor CTCF isoform 2
NCBI Official Synonym Full Names	CCCTC-binding factor
NCBI Official Symbol	CTCF
NCBI Official Synonym Symbols	MRD21

NCBI Protein Information	transcriptional repressor CTCF
UniProt Protein Name	Transcriptional repressor CTCF
UniProt Gene Name	CTCF
UniProt Entry Name	CTCF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctcf-antibody-immunohistochemistry-western-blot-elisa/46395>