Rabbit CTCF Polyclonal Antibody | anti-CTCF antibody

[KO Validated] CTCF Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281978	**Rabbit**	**Human, Mouse, Rat**	**Immunoprecipitation, Immunohistochemistry, Western Blot**

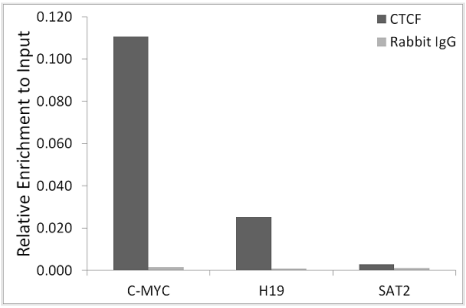
PRODUCT SYNONYMS

CTCF; Polyclonal Antibody; [KO Validated] CTCF Rabbit pAb; MRD21; CCCTC-binding factor; anti-CTCF antibody

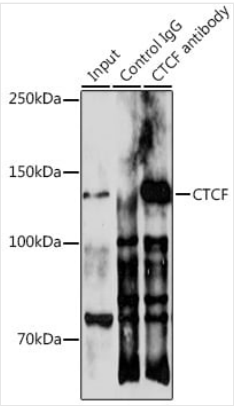
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-CTCF antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CTCF.
Cellular Location	Chromosome, Nucleus, centromere, nucleoplasm
Positive Samples	293T, NIH/3T3, C6
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

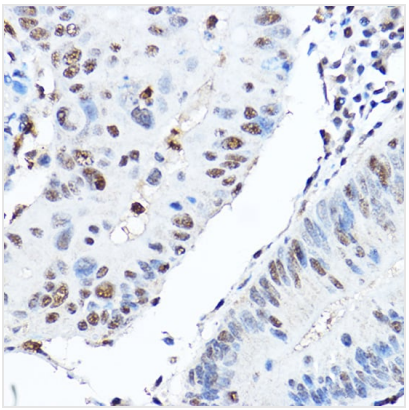
IMAGES



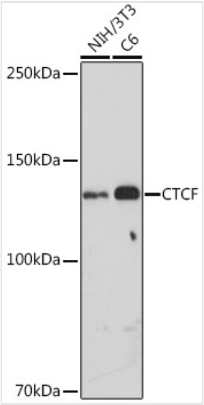
ChIP (Chromatin immunoprecipitation)
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using CTCF antibody and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



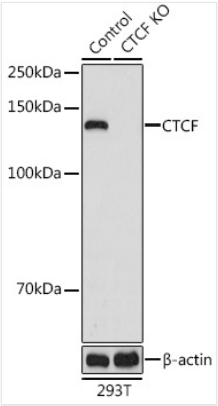
IP (Immunoprecipitation)
Immunoprecipitation analysis of 300ug extracts of 293T cells using 3ug CTCF antibody . Western blot was performed from the immunoprecipitate using CTCF antibody at a dilition of 1:500.



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] CTCF Rabbit pAb at dilution of 1:250 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CTCF antibody at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



WB (Western Blot)
Western blot analysis of extracts from normal (control) and CTCF knockout (KO) 293T cells, using CTCF antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-CTCF antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706179
NCBI GeneID	10664
UniProt Accession #	P49711; Q53XI7; Q59EL8; B5MC38
Molecular Weight	727
NCBI Official Full Name	Transcriptional repressor CTCF
NCBI Official Synonym Full Names	CCCTC-binding factor (zinc finger protein)

NCBI Official Symbol	CTCF
NCBI Official Synonym Symbols	MRD21
NCBI Protein Information	transcriptional repressor CTCF; CTCFL paralog; 11-zinc finger protein; 11 zinc finger transcriptional repressor
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://www.aaabiotech.com/polyclonal/ctcf-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/281978