

Rabbit CTCF Polyclonal Antibody | anti-CTCF antibody

CTCF Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30612	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Chromatin Immunoprecipitation, Immunoprecipitation

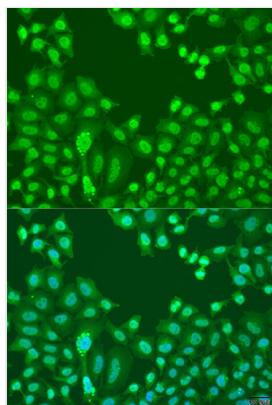
PRODUCT SYNONYMS

CTCF; Polyclonal Antibody; CTCF Rabbit Polyclonal Antibody; MRD21; anti-CTCF antibody

PRODUCT SPECIFICATIONS

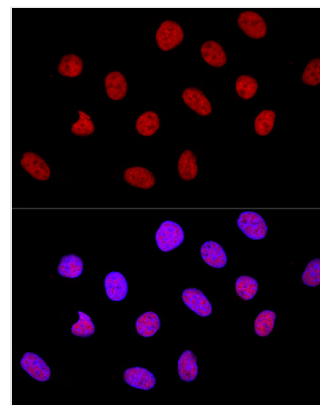
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-CTCF antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 IP: 1:50-1:100 ChIP: 1:50-1:200
Immunogen	Recombinant fusion protein of human CTCF (NP_006556.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



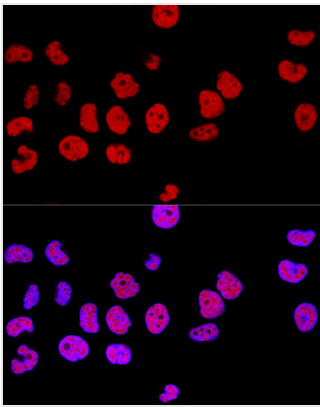
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using CTCF at dilution of 1:100. Blue: DAPI for nuclear staining.



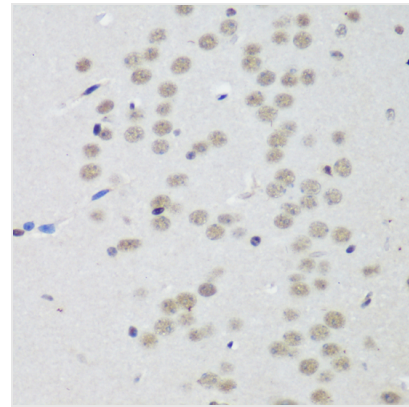
IF (Immunofluorescence)

Confocal immunofluorescence analysis of U-2 OS cells using CTCF Polyclonal at dilution of 1:100. Blue: DAPI for nuclear staining.



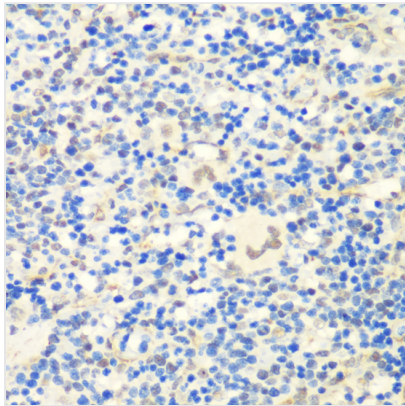
IF (Immunofluorescence)

Confocal immunofluorescence analysis of HeLa cells using CTCTF Polyclonal at dilution of 1:100. Blue: DAPI for nuclear staining.



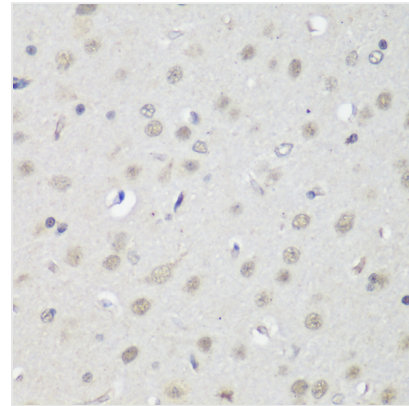
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using CTCTF at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using CTCTF at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using CTCTF at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-CTCF antibody	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.
Product Categories/Family for anti-CTCF antibody	Primary Antibody

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://stage.aaabiotech.com/polyclonal/ctcf-antibody-western-blot-immunohistochemistry-immunofluorescence-chromatin-immunoprecipitation-elisa/30612>