

Rabbit CTCF Polyclonal Antibody | anti-CTCF antibody

CTCF Polyclonal Antibody

CATALOG # AAA174199	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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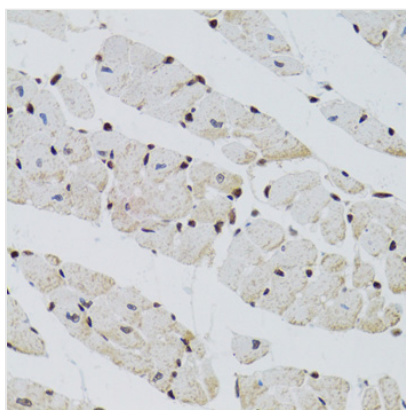
PRODUCT SYNONYMS

CTCF; Polyclonal Antibody; CTCF Polyclonal Antibody; 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; Ctcf; CTCFL paralog; MRD21; Transcriptional repressor CTCF; anti-CTCF antibody

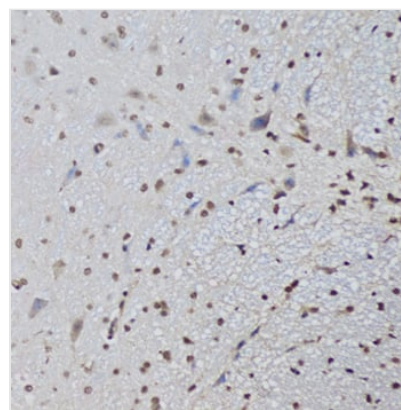
PRODUCT SPECIFICATIONS

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.
Concentration	1 mg/mL (varies by lot)
Sequence Length	399
Applicable Applications for anti-CTCF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CTCF
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

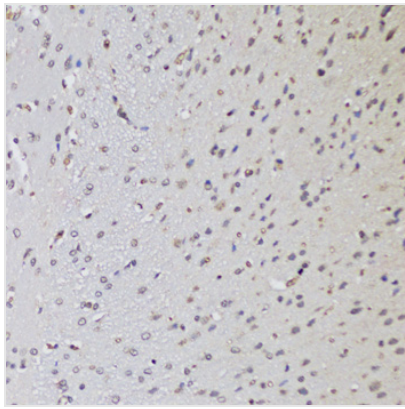
IMAGES



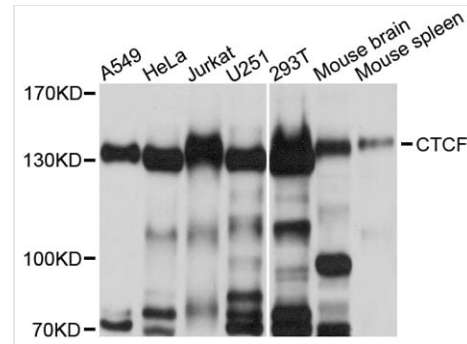
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse heart using CTCF antibody.



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded mouse brain using CTCF antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using CTCF antibody.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CTCF antibody.

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	Cancer; Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	300388142
NCBI GeneID	10664
NCBI Accession #	NP_001177951.1
NCBI GenBank Nucleotide #	NM_001191022.1
UniProt Accession #	P49711; Q53X17; Q59EL8; B5MC38
Molecular Weight	Calculated: 45kDa; 82kDa Observed: 135kDa
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

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.