

## Rabbit CTCF Polyclonal Antibody | anti-CTCF antibody

CTCF antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                             | APPLICATIONS                                                     |
|-----------|--------|--------------------------------------------------------|------------------------------------------------------------------|
| AAA198397 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat | Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation |

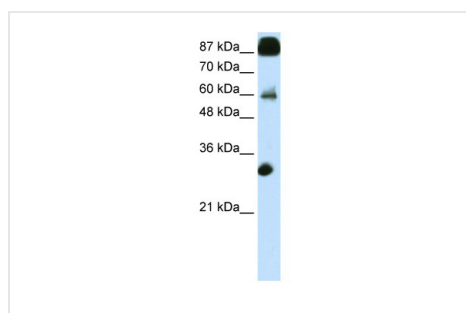
### PRODUCT SYNONYMS

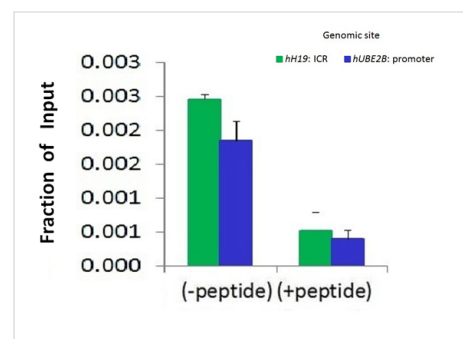
CTCF; Polyclonal Antibody; CTCF antibody - N-terminal region; anti-CTCF antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: ME GDAVEAIVVE SETFIKGR KYQRREGG QEEDACHLPQ NQTDGGEV                                                      |
| Sequence Length                                | 727                                                                                                                                                   |
| Applicable Applications for anti-CTCF antibody | WB (Western Blot), ChIP (Chromatin immunoprecipitation)                                                                                               |
| Homology                                       | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%                                                |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the N terminal region of human CTCF                                                             |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-CTCF Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:31250  
Positive Control: Transfected 293T

**ChIP (Chromatin Immunoprecipitation)**

Chromatin Immunoprecipitation (ChIP) Using CTCF antibody - N-terminal region and HCT116 Cells

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTCF antibody | <p>This is a rabbit polyclonal antibody against CTCF. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: CTCF is 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 CTCF have been associated with invasive breast cancers, prostate cancers, and Wilms' tumors. 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.</p> |
| Product Categories/Family for anti-CTCF antibody   | <a href="#">Polyclonal</a> ; <a href="#">Transcription Regulation</a> ; <a href="#">Cell Cycle Proteins</a> ; <a href="#">Transcription Regulation</a> ; <a href="#">Chromatin &amp; Nuclear Signaling</a> ; <a href="#">Epigenetics</a> ; <a href="#">Disease Related</a> ; <a href="#">Chromatin Immunoprecipitation</a> ; <a href="#">Acetylation</a> ; <a href="#">Methylation</a> ; <a href="#">Transcription Factors</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 5729790                                  |
| NCBI GeneID                      | 10664                                    |
| NCBI Accession #                 | NP_006556                                |
| NCBI GenBank Nucleotide #        | NM_006565                                |
| UniProt Accession #              | P49711                                   |
| Molecular Weight                 | 83kDa                                    |
| NCBI Official Full Name          | transcriptional repressor CTCF isoform 1 |
| 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                | <b>CTCF</b>                              |
| 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-western-blot-chromatin-immunoprecipitation-elisa/198397>