

RecomAb™

CTCF recombinant monoclonal antibody, clone R02-3J9

Catalog # RAB02360 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CTCF.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CTCF.
Theoretical MW (kDa)	Calculated MW: 83 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

- Immunofluorescence

Gene Info — CTCF

Entrez GeneID [10664](#)

Protein Accession# [P49711](#)

Gene Name CTCF

Gene Alias -

Gene Description CCCTC-binding factor (zinc finger protein)

Omim ID [604167](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations 11 zinc finger transcriptional repressor|11-zinc finger protein|CCCTC-binding factor|CTCFL paralogs|transcriptional repressor CTCF

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Neoplastic Syndromes](#)