



Rabbit Anti-Human CTCF monoclonal antibody, clone H.869.5 (CABT-L1255)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is not cross-reactive with BORIS.
Target	CTCF
Immunogen	Synthetic peptide corresponding to the carboxy terminus of the human CTCF protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Bovine, Horse, Human, Mouse, Non-human primate, Rat
Clone	H.869.5
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ChIP, IHC-P, IP, IF, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction 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. A molecular weight of approximately 140 kDa is expected.

Keywords CTCF;CCCTC-binding factor (zinc finger protein);MRD21;transcriptional repressor
CTCF;CTCFL paralog;11-zinc finger protein;11 zinc finger transcriptional repressor

GENE INFORMATION

Entrez Gene ID [10664](#)

UniProt ID [P49711](#)