



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](#)