Product Datasheet

CTCF Rabbit mAb

Catalog No: #49503

Package Size: #49503-1 50ul #49503-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CTCF Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-61
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt, Zebrafish
Immunogen Description	recombinant protein
Other Names	11 zinc finger protein antibody 11 zinc finger transcriptional repressor antibody 11-zinc finger protein antibody CCCTC binding factor (zinc finger protein) antibody CCCTC binding factor antibody CCCTC-binding factor antibody Ctcf antibody CTCF_HUMAN antibody CTCFL paralog antibody MRD21 antibody Transcriptional repressor CTCF antibody
Accession No.	Swiss-Prot#:P49711
Uniprot	P49711
GeneID	10664;
Calculated MW	140/83 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:100-1:500IP: 1:50-1:100

Background

CTCF belongs to the zinc finger transcription factor family, and it recognizes unusually long and remarkably divergent DNA target sequences to influence expression of many various genes. The DNA-binding domain of CTCF is composed of 11 Zn fingers including 10 that are of C2H2 class, and 1 that is of C2HC class, and they are highly conserved between vertebrate species. CTCF functions as a repressor of the c-myc gene and as a regulator of lysozyme gene expression. In addition, CTCF associates with the essential activator domain in the promotor region of the amyloid beta-protein precursor (APP) gene to activate transcription of APP. Expression of CTCF up-regulates APP expression and thereby, enhances synapse formations between primary neurons during development. CTCF is ubiquitously expressed and localized to the nucleus. During terminal differentiation, CTCF is negatively regulated by differential phosphorylation and also by decreases in CTCF mRNA and protein expression.

References

Note: This product is for in vitro research use only