

CTCF Ab

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Images(1)

Cat.#: BF0501 Size:	Concn.: ~1mg/ml Source: Mouse	Mol.Wt.: 83kDa Clonality: Monoclonal
Application: Reactivity:	ELISA 1:10000, WB 1:500-1:2000 *The optimal dilutions should be determined by the end user. Human,Monkey	
Storage:	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	Affinity-chromatography.	
Immunogen:	Purified recombinant fragment of human CTCF expressed in E. Coli.	
Uniprot:	P49711	
Description:	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 insulator element, it can block communication between enhancers and upstream promoters, thereby regulating imprinted expression.	

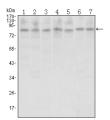


Figure 1: Western blot analysis using CTCF mouse mAb against A31 (1), MCF-7 (2), Hela (3), HCT116 (4), Jurkat (5), NIH/3T3 (6), and Cos7 (7) cell lysate.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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