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anti-CTCF antibody (N-Term)





Publication



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Quantity:	100 μL
Target:	CTCF
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Immunocytochemistry (ICC), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	This CTCF antibody was raised against a peptide within the N-terminal region of human CTCF.
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	CTCF
Alternative Name:	CTCF (CTCF Products)
Molecular Weight:	120kDa
Gene ID:	10664

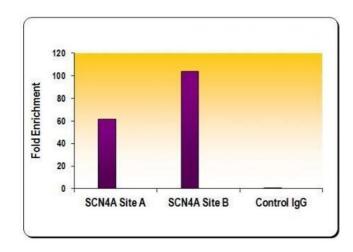
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.0 μg/μL
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-20 °C
Storage Comment:	Antibodies in solution can be stored at -20 °C for 2 years.
Expiry Date:	6 months
Publications	

Product cited in:

Rappa, Anzanello, Lorico: "Ethanol induces upregulation of the nerve growth factor receptor CD271 in human melanoma cells via nuclear factor-kB activation." in: **Oncology letters**, Vol. 10, Issue 2, pp. 815-821, (2015) (PubMed).

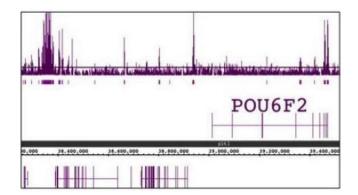
Validation report #104509 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Chromatin Immunoprecipitation

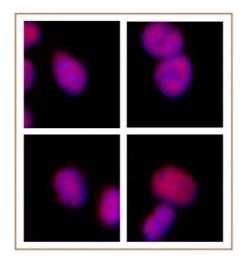
Image 1. CTCF antibody (pAb) tested by ChIP analysis. Chromatin IP performed using the ChIP-IT® Express Kit (Catalog No. 53008) and HeLa Chromatin (1.5 x 106 cell equivalents per ChIP) using 8 μ I of CTCF antibody or the equivalent amount of rabbit IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from each of the ChIP reactions using a primer pair specific for the SCN4A gene (site A or site B). Data are presented as Fold Enrichment of the ChIP antibody signal

versus the negative control IgG (arbitrarily assigned a value of 1) using the ddCT method.



Chromatin Immunoprecipitation

Image 2. CTCF antibody (pAb) tested by ChIP-chip. ChIP was performed using the ChIP-IT® High Sensitivity Kit (Cat. No. 53040) with chromatin from a human B cell lymphoma cell line (4.5 million cells) and 5 μ l of antibody. ChIP DNA was amplified by WGA, labeled and hybridized to a human tiling array. The image shows CTCF binding across a 1.2 million bp region on chromosome 7.



Immunofluorescence

Image 3. CTCF antibody (pAb) tested by immunofluorescence. Formaldehyde fixed HeLa cells stained with CTCF antibody at a 1:2,000 dilution.

Please check the product details page for more images. Overall 4 images are available for ABIN2668282.