

Product Data Sheet

CTCF Antibody (G.758.4)

Tested Species Reactivity	
Human (Hu)	
Mouse (Ms)	
Rat (Rt)	
Non-human primate (Nhp)	
Bovine (Bv)	
Equine (Eq)	

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:800
Immunohistochemistry (Paraffin) (IHC (P))	1:320
Immunoprecipitation (IP)	1:50
ChIP assay (ChIP)	1:50

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	MA5-11187
Size:	100 µL
Class:	Monoclonal
Type:	Antibody
Clone:	G.758.4
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide corresponding to the carboxy terminus of the human CTCF protein

Form Information	
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	<0.02% sodium azide
Storage Conditions:	-20°C

Product Specific Information	General Information
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It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with BORIS.

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.

This product is for In Vitro experimental use only. Not for resale without express authorization.

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