

CTCF polyclonal antibody

Catalog: BS79643

Host: Rabbit

Reactivity: Human, Mouse, Rat, Monkey

Background:

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

140KDa

Swiss-Prot:

P49711

Purification&Purity:

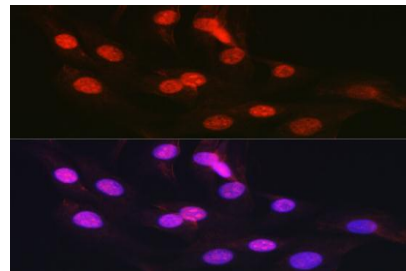
The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

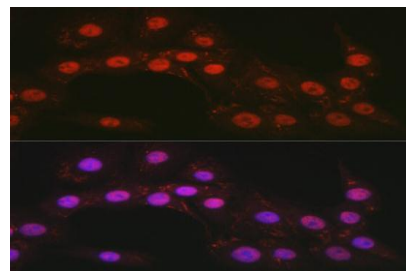
WB,1:500 - 1:2000|IHC,1:50 - 1:200|IF/ICC,1:50 - 1:200|IP,1:50 - 1:100|ChIP,1:50 - 1:200

Storage&Stability:

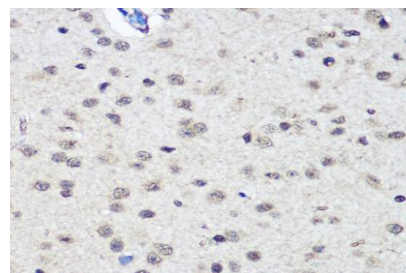
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:**Unmodification****DATA:**

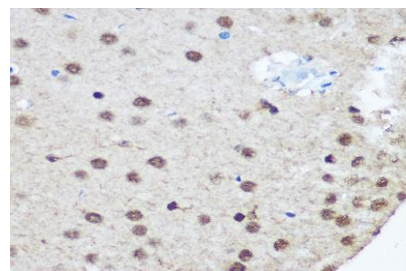
Immunofluorescence analysis of NIH/3T3 cells using CTCF Rabbit pAb at dilution of 1:50 . Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using CTCF Rabbit pAb at dilution of 1:50 . Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using CTCF Rabbit pAb at dilution of 1:50 . Blue: DAPI for nuclear staining.

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug CTCF antibody . Western blot was performed from the immunoprecipitate using CTCF antibody at a dilution of 1:500.

Note:

For research use only, not for use in diagnostic procedure.

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