Datasheet for ABIN1574169

anti-CTCF antibody (AA 150-200)

1 Image

Go to Product page

Overview

Quantity:	40 µg
Target:	CTCF
Binding Specificity:	AA 150-200
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTCF antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH-coupled synthetic peptide within AA 150-200 of human CTCF .
Isotype:	IgG
Specificity:	CTCF Antibody detects endogenous levels of human CTCF. Predicted to react with rat CTCF according to sequence homology.Positive Control: Ramos, K562 and A431
Cross-Reactivity (Details):	CTCF Antibody detects endogenous levels of human CTCF. Predicted to react with rat CTCF according to sequence homology.Positive Control: Ramos, K562 and A431
Purification:	Immunoaffinity chromatography

Target Details

Target:	CTCF

Target Details

Alternative Name:	CTCF (CTCF Products)
Background:	CTCF (CCCTC-binding factor) is a highly conserved zinc finger protein which plays an important role in transcriptional activation/repression, insulation, imprinting, and X chromosome inactivation depending on the DNA context of the binding site. It contains a DNA-binding domain composed of 11 zinc-fingers and the DNA target sequences recognized by CTCF which are fairly long and strikingly diverse. CTCF can be phosphorylated by the protein kinase CK2, as well as poly(ADP-ribosyl)ated. The latter modification regulates its activity as a chromatin insulator.CTCF Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 150-00 of human CTCF (Swiss Prot: P49711).

Application Details

Application Notes:	Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. Western blot: 1-2 µg/mL.Other Applications: user optimized.
Restrictions:	For Research Use only

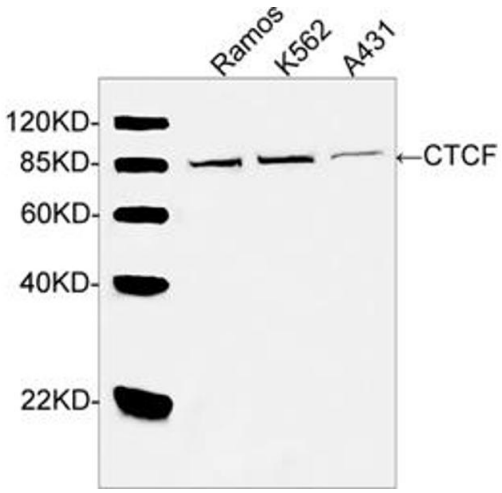
Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C/-20 °C
Storage Comment:	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

Handling

can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Images



Western Blotting

Image 1. Western blot analysis of cell lysates using CTCF Antibody (ABIN399046, 2 µg/mL) The signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 83 KD Observed Size: 85 KD