Datasheet for ABIN1512680

anti-CBX1 antibody (AA 1-185)

2 Images

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Overview

Quantity:	100 µg
Target:	CBX1
Binding Specificity:	AA 1-185
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-185 of human CBX1 (NP_006798.1).
Sequence:	MGKKQNKKKV EEVLEEEEEE YVVEKVLDRR VVKGKVEYLL KWKGFSDEDN TWEPEENLDC PDLIAEFLQS QKTAHETDKS EGGKRKADSD SEDKGEESKP KKKKEESEKP RGFARGLEPE RIIGATDSSG ELMFLMKWKN SDEADLVPAK EANVKCPQVV ISFYEERLTW HSYPSEDDDK KDDKN
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

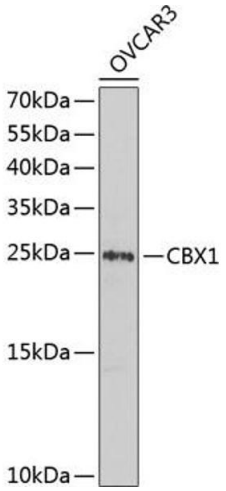
Target:	CBX1
Alternative Name:	CBX1 (CBX1 Products)
Background:	This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family . The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified.,CBX1,CBX,HP1-BETA,HP1Hs-beta,HP1Hsbeta,M31,MOD1,p25beta,Epigenetics & Nuclear Signaling,Transcription Factors,CBX1
Molecular Weight:	21 kDa
Gene ID:	10951
UniProt:	P83916

Application Details

Application Notes:	WB,1:500 - 1:1000
Restrictions:	For Research Use only

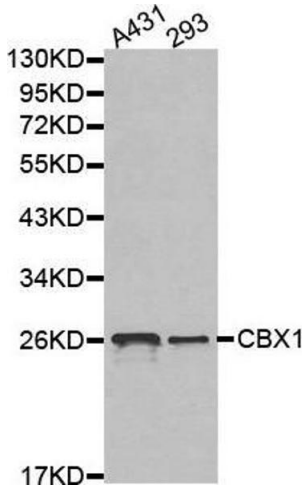
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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 freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of OVCAR-3 cells, using CBX1 antibody (ABIN1512680, ABIN3023224, ABIN3023225 and ABIN6219469) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CBX1 antibody.