

ARG43210 anti-CBX1 / HP1 beta antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CBX1 / HP1 beta
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CBX1 / HP1 beta
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-185 of Human CBX1 / HP1 beta (NP_006798.1).
Conjugation	Un-conjugated
Alternate Names	MOD1; Chromobox protein homolog 1; HP1 beta; M31; HP1Hs-beta; Modifier 1 protein; Heterochromatin protein p25; HP1-BETA; Heterochromatin protein 1 homolog beta; CBX; HP1Hsbeta; p25beta

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	OVCAR-3	
Observed Size	~ 25 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CBX1
Gene Full Name	chromobox homolog 1
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. [provided by RefSeq, Jul 2008]
Function	Component of heterochromatin. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. Interaction with lamin B receptor (LBR) can contribute to the association of the heterochromatin with the inner nuclear membrane. [UniProt]
Calculated Mw	21 kDa
PTM	Not phosphorylated. Ubiquitinated. [UniProt]
Cellular Localization	Nucleus. Note=Unassociated with chromosomes during mitosis. [UniProt]

Images

