

ARG22442 anti-CBX1 / HP1 beta antibody [MAC353]

Package: 1 ml
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [MAC353] recognizes CBX1 / HP1 beta
Tested Reactivity	Hu, Ms
Tested Application	ChIP, ELISA, ICC/IF, IP, WB
Host	Rat
Clonality	Monoclonal
Clone	MAC353
Isotype	IgG2b
Target Name	CBX1 / HP1 beta
Species	Mouse
Immunogen	71 amino acid fusion protein corresponding to the C-terminal region of M31
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
	ChIP	Assay-dependent
	ELISA	Assay-dependent
	ICC/IF	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Tissue Culture Supernatant
Buffer	Tissue Culture Supernatant, 0.1% Sodium azide and 5% BSA.
Preservative	0.1% Sodium azide
Stabilizer	5% BSA

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 or below. 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 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.