

## Mouse Monoclonal Antibody to CBX1

<b>Catalogue Number</b>	sAP-1142
<b>Target Molecule</b>	<b>Name: CBX1</b> <b>Aliases:</b> CBX; M31; MOD1; p25beta; HP1-BETA; HP1Hsbeta; HP1Hs-beta <b>MW: 21.4kDa</b> <b>Entrez Gene ID: 10951</b>
<b>Description</b>	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. ;
<b>Immunogen</b>	Purified recombinant fragment of human CBX1 (AA: 1-185) expressed in E. Coli.
<b>Recombinant Species</b>	Human;
<b>Clone</b>	MM4D7B8;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Endocr Relat Cancer. 2010 May 18;17(2):455-67. ; 2.Am J Pathol. 2011 Feb;178(2):672-8. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**