

## Mouse Monoclonal Antibody to CBX3

<b>Catalogue Number</b>	sAP-1161
<b>Target Molecule</b>	<p><b>Name:</b> CBX3</p> <p><b>Aliases:</b> HECH; HP1-GAMMA; HP1Hs-gamma</p> <p><b>MW:</b> 20.8kDa</p> <p><b>Entrez Gene ID:</b> 11335</p>
<b>Description</b>	<p>At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.;</p>
<b>Immunogen</b>	Purified recombinant fragment of human CBX3 (AA: 1-183) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM6D1C4;
<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: ; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.BMC Cancer. 2013 Mar 23;13:148. ; 2.PLoS One. 2012;7(8):e41401.;

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**