# CBX5 monoclonal antibody, clone 1B10B2

Catalog # MAB17166 Size 100 ug

## Applications



#### Western Blot (Cell lysate)

Western blot analysis of Lane 1: HeLa cell; Lane 2: NIH/3T3 cell; Lane 3: K562 cell; Lane 4: MCF-7 cell; Lane 5: Jurkat cell; Lane 6: A431 cell with CBX5 monoclonal antibody.



#### Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) CBX5-hlgGFc transfected HEK293 cell lysate.



#### Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining of paraffin-embedded esophageal cancer tissues with CBX5 monoclonal antibody.



#### **Product Information**



#### Immunocytochemistry

Immunocytochemical staining of HeLa cells with CBX5 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).



#### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CBX5 monoclonal antibody, clone 1B10B2.

Specification	
Product Description	Mouse monoclonal antibody raised against recombinant human CBX5.
Immunogen	Recombinant protein corresponding to amino acid 1-191 of human CBX5 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	22.2kDa
Reactivity	Human, Mouse
Form	Liquid
lsotype	lgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).



#### **Product Information**

**Storage Instruction** 

Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CBX5 monoclonal antibody, clone 1B10B2.

#### Gene Info — CBX5

Entrez GenelD	<u>23468</u>
Gene Name	CBX5
Gene Alias	HP1, HP1A
Gene Description	chromobox homolog 5 (HP1 alpha homolog, Drosophila)
Omim ID	<u>604478</u>
Gene Ontology	Hyperlink



#### **Product Information**

**Gene Summary** 

This gene encodes a highly conserved nonhistone protein, which is a member of the heterochrom atin protein family. The protein is enriched in the heterochromatin and associated with centromere s. The protein has a single N-terminal chromodomain which can bind to histone proteins via methy lated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for th e homodimerization and interaction with a number of chromatin-associated nonhistone proteins. T he encoded product is involved in the formation of functional kinetochore through interaction with e ssential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alt ernatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq

#### **Other Designations**

HP1-ALPHA|HP1Hs alpha|antigen p25|heterochromatin protein 1 homolog alpha|heterochromatin protein 1-alpha