

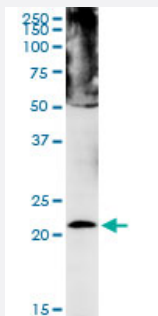
MaxPab®

CBX5 MaxPab mouse polyclonal antibody (B01)

Catalog # H00023468-B01

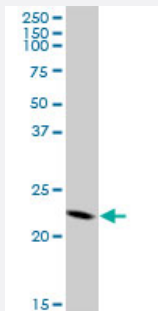
Size 50 uL

Applications



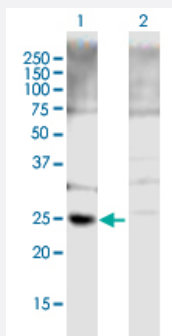
Western Blot (Cell lysate)

CBX5 MaxPab polyclonal antibody. Western Blot analysis of CBX5 expression in IMR-32.



Western Blot (Cell lysate)

CBX5 MaxPab polyclonal antibody. Western Blot analysis of CBX5 expression in C32.

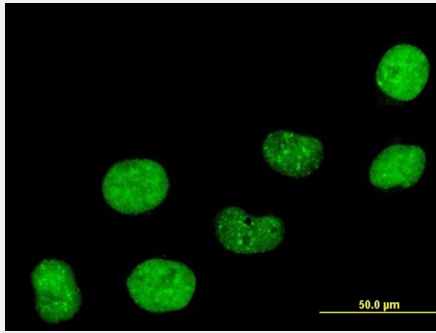


Western Blot (Transfected lysate)

Western Blot analysis of CBX5 expression in transfected 293T cell line ([H00023468-T01](#)) by CBX5 MaxPab polyclonal antibody.

Lane 1: CBX5 transfected lysate(21.01 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CBX5 on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CBX5 protein.
Immunogen	CBX5 (NP_036249.1, 1 a.a. ~ 191 a.a) full-length human protein.
Sequence	MGKTKRTADSSSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGFSSEEHTWEPEKNLDCPELI SEFMKKYKKMKEGENNKPREKSESNNRKSNSNSADDIKSKKKREQSNDIARGFERGLEPEKIIG ATDSCGDLMLMKWKDTDEADLVLAKEANVKCPQVIAFYEERLTWHAYPEDAENKEKETAKS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Cell lysate)

CBX5 MaxPab polyclonal antibody. Western Blot analysis of CBX5 expression in IMR-32.

[Protocol Download](#)

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- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CBX5 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — CBX5

Entrez GeneID [23468](#)

GeneBank Accession# [NM_012117.1](#)

Protein Accession# [NP_036249.1](#)

Gene Name CBX5

Gene Alias HP1, HP1A

Gene Description chromobox homolog 5 (HP1 alpha homolog, Drosophila)

Omim ID [604478](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively 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