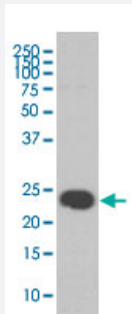


CBX5 monoclonal antibody, clone DHO-3

Catalog # MAB20177

Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of SH-SY5Y cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CBX5.
Immunogen	A synthetic peptide corresponding to human CBX5.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunoprecipitation (1:50) Immunocytochemistry (1:50-200) Immunofluorescence (1:50-200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

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

Applications

- Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of SH-SY5Y cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — CBX5

Entrez GeneID[23468](#)**Protein Accession#**[P45973](#)**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