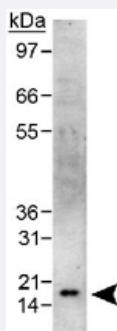


CBX5 polyclonal antibody

Catalog # PAB12465 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CBX5 in HeLa whole cell lysate using CBX5 polyclonal antibody (Cat # PAB12465).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CBX5.
Immunogen	A synthetic peptide corresponding to amino acids 1-100 of human CBX5.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for short term. 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of CBX5 in HeLa whole cell lysate using CBX5 polyclonal antibody (Cat # PAB12465).

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

Publication Reference

- [Rb targets histone H3 methylation and HP1 to promoters.](#)

Nielsen SJ, Schneider R, Bauer UM, Bannister AJ, Morrison A, O'Carroll D, Firestein R, Cleary M, Jenuwein T, Herrera RE, Kouzarides T.

Nature 2001 Aug; 412(6846):561.

Application: ChIP, Mouse, MEFs

- [Selective recognition of methylated lysine 9 on histone H3 by the HP1 chromo domain.](#)

Bannister AJ, Zegerman P, Partridge JF, Miska EA, Thomas JO, Allshire RC, Kouzarides T.

Nature 2001 Mar; 410(6824):120.

Application: IF, Human, U2OS cells

- [Methylation of histone H3 lysine 9 creates a binding site for HP1 proteins.](#)

Lachner M, O'Carroll D, Rea S, Mechtler K, Jenuwein T.

Nature 2001 Mar; 410(6824):116.

Application: IF, Mouse, Primary mouse embryonic fibroblasts