

Datasheet

CBX1 polyclonal antibody

Catalog Number: PAB15581

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of CBX1.

Immunogen: A synthetic peptide corresponding to amino acids 176-185 of human CBX1.

Sequence: NEDDDKKDDKN

Host: Rabbit

Reactivity: Hamster, Human

Applications: ChIP, IF, WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: Western Blot (1:2000-1:10000)

The optimal working dilution should be determined by the end user.

Storage Buffer: In 120 mM sodium phosphate buffer, pH 7.4 (50% glycerol)

Storage Instruction: Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10951

Gene Symbol: CBX1

Gene Alias: CBX, HP1-BETA, HP1Hs-beta, HP1Hsbeta, M31, MOD1, p25beta

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 protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]

References:

1. The assembly and maintenance of heterochromatin initiated by transgene repeats are independent of the RNA interference pathway in mammalian cells. Wang F, Koyama N, Nishida H, Haraguchi T, Reith W, Tsukamoto T. Mol Cell Biol. 2006 Jun;26(11):4028-40.
2. The Heterochromatin Protein 1 family. Lomberg G, Wallrath L, Urrutia R. Genome Biol. 2006;7(7):228.
3. Interaction of the chromatin compaction-inducing domain (LR domain) of Ki-67 antigen with HP1 proteins. Kametaka A, Takagi M, Hayakawa T, Haraguchi T, Hiraoka Y, Yoneda Y. Genes Cells. 2002 Dec;7(12):1231-42.