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Datasheet

CBX5 polyclonal antibody

Catalog Number: PAB6883

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against synthetic peptide of CBX5.

Immunogen: A synthetic peptide corresponding to human CBX5.

Sequence: C-NKRKSNFSNSADDIK

Host: Goat

Theoretical MW (kDa): 22.2

Reactivity: Human

Applications: ELISA, IHC-P, 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

Purification: Antigen affinity purification

Concentration: 0.5 mg/mL

Recommend Usage: ELISA (1:128000)
Western blot (0.03-0.1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-3 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 23468

Gene Symbol: CBX5

Gene Alias: HP1, HP1A

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]

References:

1. Recruitment of Tat to heterochromatin protein HP1 via interaction with CTIP2 inhibits human immunodeficiency virus type 1 replication in microglial cells. Rohr O, Lecestre D, Chasserot-Golaz S, Marban C, Avram D, Aunis D, Leid M, Schaeffer E. J Virol. 2003 May;77(9):5415-27.