

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4353a

Specification

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	P45973
Other Accession	NP_036249.1
Reactivity	Human, Mouse, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	22225

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody - Additional Information

Gene ID 23468

Other Names

CBX5; chromobox homolog 5; HEL25; HP1; HP1A; HP1 alpha homolog; HP1-ALPHA; HP1Hs alpha; antigen p25; chromobox homolog 5 (HP1 alpha homolog, Drosophila); epididymis luminal protein 25; heterochromatin protein 1 homolog alpha; heterochromatin protein 1-*alp*

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Reported variants represent identical protein: NP_036249.1, NP_001120793.1, NP_001120794.1

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody - Protein Information

Name CBX5

Synonyms HP1A

Function

Component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression. In contrast, it is excluded from chromatin when

'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact with lamin-B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.

Cellular Location

Nucleus. Chromosome. Chromosome, centromere Note=Colocalizes with HNRNPU in the nucleus (PubMed:19617346) Component of centromeric and pericentromeric heterochromatin Associates with chromosomes during mitosis. Associates specifically with chromatin during metaphase and anaphase (PubMed:19617346) Localizes to sites of DNA damage (PubMed:28977666)

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-CBX5 / HP1-Alpha, biotinylated Antibody - Images