10320 Camino Santa Fe, Suite G
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Mouse Cbx5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19229b

Specification

Mouse Cbx5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q61686

Mouse Cbx5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 12419

Other Names
Chromobox protein homolog 5, Heterochromatin protein 1 homolog alpha, HP1 alpha, Cbx5, Hp1a

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Cbx5 Antibody (C-term) Blocking Peptide - 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 (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:P45973}. Chromosome {ECO:0000250|UniProtKB:P45973}. Chromosome, centromere {ECO:0000250|UniProtKB:P45973}. Note=Colocalizes with HNRNPU in the nucleus (By similarity). Component of centromeric and pericentromeric heterochromatin. Associates with chromosomes during mitosis. Associates specifically with chromatin during metaphase and anaphase. Localizes to sites of DNA damage. {ECO:0000250|UniProtKB:P45973}

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Mouse Cbx5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Cbx5 Antibody (C-term) Blocking Peptide - Images

Mouse Cbx5 Antibody (C-term) Blocking Peptide - Background

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Sun, Y., et al. Biophys. J. 99(4):1274-1283(2010)Muller, K.P., et al. Biophys. J. 97(11):2876-2885(2009)Dong, K.B., et al. EMBO J. 27(20):2691-2701(2008)Villeneuve, L.M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(26):9047-9052(2008)Brancorsini, S., et al. Cell Cycle 7(10):1415-1422(2008)