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FBXL10b Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11086A

Specification

FBXL10b Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8NHM5
Other Accession	A8MRS1, NP_001005366
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**152615**
Antigen Region	**1-30**

FBXL10b Antibody (N-term) - Additional Information

Gene ID 84678

Other Names
Lysine-specific demethylase 2B, CXXC-type zinc finger protein 2, F-box and leucine-rich repeat protein 10, F-box protein FBL10, F-box/LRR-repeat protein 10, JmjC domain-containing histone demethylation protein 1B, Jumonji domain-containing EMSY-interactor methyltransferase motif protein, Protein JEMMA, Protein-containing CXXC domain 2, [Histone-H3]-lysine-36 demethylase 1B, KDM2B, CXXC2, FBL10, FBXL10, JHDM1B, PCCX2

Target/Specificity
This FBXL10b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FBXL10b.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
FBXL10b Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FBXL10b Antibody (N-term) - Protein Information

Name KDM2B

Function Histone demethylase that demethylates 'Lys-4' and 'Lys-36' of histone H3, thereby playing a central role in histone code (PubMed:16362057, PubMed:17994099, PubMed:26237645). Preferentially demethylates trimethylated H3 'Lys-4' and dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36' (PubMed:16362057, PubMed:17994099, PubMed:26237645). Preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which inhibits cell growth and proliferation (PubMed:16362057, PubMed:17994099). May also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex (Probable).

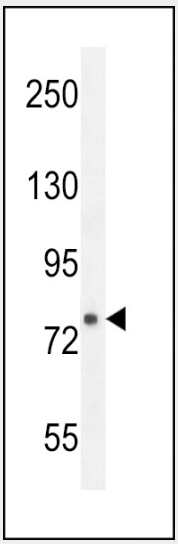
Cellular Location
Nucleus, nucleolus. Nucleus. Chromosome

FBXL10b Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FBXL10b Antibody (N-term) - Images



FBXL10b (N-term) (Cat. #AP11086a) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the FBXL10b antibody detected the FBXL10b protein (arrow).

FBXL10b Antibody (N-term) - Background

This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of

ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been determined.

FBXL10b Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Frescas, D., et al. Nature 450(7167):309-313(2007)
Koyama-Nasu, R., et al. Nat. Cell Biol. 9(9):1074-1080(2007)
Szafranski, K., et al. Genome Biol. 8 (8), R154 (2007) :
Gearhart, M.D., et al. Mol. Cell. Biol. 26(18):6880-6889(2006)