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Goat Anti-FBXL10 / PCCX2 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1405a

Specification

Goat Anti-FBXL10 / PCCX2 Antibody - Product Information

Application	**WB, E**
Primary Accession	Q8NHM5
Other Accession	NP_115979, 84678, 30841 (mouse), 304495 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**152615**

Goat Anti-FBXL10 / PCCX2 Antibody - Additional Information

Gene ID 84678

Other Names
Lysine-specific demethylase 2B, 1.14.11.27, 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

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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-FBXL10 / PCCX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FBXL10 / PCCX2 Antibody - 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

Goat Anti-FBXL10 / PCCX2 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 Cytomety
- Cell Culture

Goat Anti-FBXL10 / PCCX2 Antibody - Images

Goat Anti-FBXL10 / PCCX2 Antibody - 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.

Goat Anti-FBXL10 / PCCX2 Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.
JHDM1B/FBXL10 is a nucleolar protein that represses transcription of ribosomal RNA genes. Frescas D, et al. Nature, 2007 Nov 8. PMID 17994099.
The F-box protein Fbl10 is a novel transcriptional repressor of c-Jun. Koyama-Nasu R, et al. Nat Cell Biol, 2007 Sep. PMID 17704768.
Violating the splicing rules: TG dinucleotides function as alternative 3' splice sites in U2-dependent introns. Szafranski K, et al. Genome Biol, 2007. PMID 17672918.
Polycomb group and SCF ubiquitin ligases are found in a novel BCOR complex that is recruited to BCL6 targets. Gearhart MD, et al. Mol Cell Biol, 2006 Sep. PMID 16943429.