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FBXL10 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2174a

Product Information

Application	WB, FC, E
Primary Accession	Q8NHM5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3B7D11
Isotype	IgG2b
Calculated MW	152615
Description	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.
Immunogen	Purified recombinant fragment of human FBXL10 (AA: 457-555) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

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
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
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	FBXL10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KDM2B (HGNC:13610)
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

References

1.Cancer Res. 2014 Jul 15;74(14):3935-46.2.Elife. 2012 Dec 18;1:e00205.

Images

