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FBX41 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12585a

Product Information

Application	WB, E
Primary Accession	Q8TF61
Other Accession	Q6NS60, NP_001073879.2
Reactivity	Mouse
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31473
Calculated MW	94496
Antigen Region	235-263

Additional Information

Gene ID	150726
Other Names	F-box only protein 41, FBXO41, FBX41, KIAA1940
Target/Specificity	This FBX41 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-263 amino acids from the N-terminal region of human FBX41.
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	FBX41 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FBXO41
Synonyms	FBX41, KIAA1940
Function	Substrate-recognition component of a SCF (SKP1-CUL1-F-box protein) E3

	ubiquitin-protein ligase complex. Required in the developing brain for neuronal migration and long-term cerebellar integrity. Regulates postnatal hippocampal development, synaptic vesicle release probability at excitatory synapses and readily releasable pool size at inhibitory synapses. Upon accumulation at the centriole, promotes disassembly of primary cilia and negatively regulates Sonic hedgehog signaling.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q6NS60}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q6NS60}. Note=Centriolar targeting requires both the coiled-coil and F-box domains. {ECO:0000250|UniProtKB:Q6NS60}

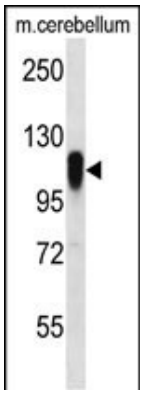
Background

Members of the F-box protein family, such as FBXO41, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM].

References

Jin, J., et al. Genes Dev. 18(21):2573-2580(2004)
Watanabe, N., et al. Proc. Natl. Acad. Sci. U.S.A. 101(13):4419-4424(2004)

Images



FBX41 Antibody (N-term) (Cat. #AP12585a) western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the FBX41 antibody detected the FBX41 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.