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FBXO39 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10627b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8N4B4
Other Accession	NP_694962.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28403
Calculated MW	52646
Antigen Region	385-414

Additional Information

Gene ID	162517
Other Names	F-box only protein 39, FBXO39, FBX39
Target/Specificity	This FBXO39 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-414 amino acids from the C-terminal region of human FBXO39.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	FBXO39 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FBXO39
Synonyms	FBX39
Function	Testis-enriched substrate-recognition component of the SCF

(SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Acts as a critical regulator of spermatogenesis, maintaining mitochondrial homeostasis to inhibit ferroptotic cell death. Mechanistically, targets lysine-specific demethylase 5A (KDM5A) for ubiquitin-dependent degradation.

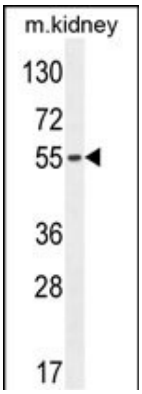
Background

Members of the F-box protein family, such as FBXO39, 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].

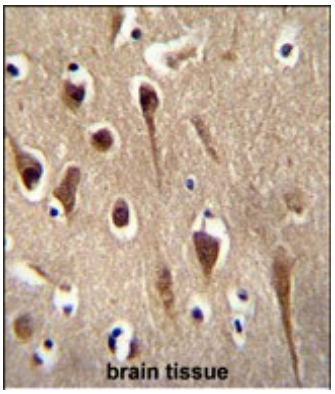
References

Jin, J., et al. Genes Dev. 18(21):2573-2580(2004)

Images



FBXO39 Antibody (C-term) (Cat. #AP10627b) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the FBXO39 antibody detected the FBXO39 protein (arrow).



FBXO39 Antibody (C-term) (Cat. #AP10627b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FBXO39 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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