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FBXO44 Rabbit pAb

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Catalog # AP56092

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H4M3
Reactivity	Rat, Mouse
Predicted	Pig, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29747
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBXO44
Epitope Specificity	101-200/255
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 the 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 Fbxs class. It is also a member of the NFB42 (neural F Box 42 kDa) family, similar to F-box only protein 2 and F-box only protein 6. Four alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	93611
Other Names	F-box only protein 44, F-box protein FBX30, F-box/G-domain protein 3, FBXO44, FBG3, FBX30, FBX44, FBX6A, FBXO6A
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

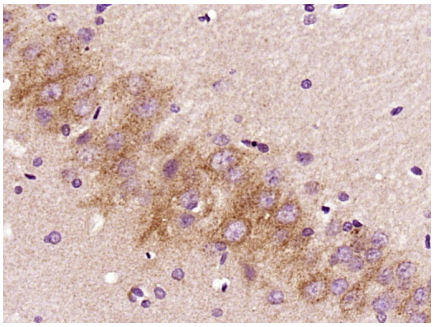
Protein Information

Name	FBXO44
Synonyms	FBG3, FBX30, FBX44, FBX6A, FBXO6A
Function	Substrate-recognition component of two distinct E3 ligase complexes, the SKP1-CUL1-FBXO44 complex and the CUL4B-DDB1-FBXO44 complex (PubMed:18203720, PubMed:25970626). The complex SCF(FBXO44) complex ubiquitinates and mediates BRCA1 degradation (PubMed:23086937). In association with cullin 4B/CUL4B and DDB1, mediates the ubiquitination of RGS2 leading to its degradation (PubMed:25970626). Additionally, regulates the pregnane X receptor/NR1I2 protein level by ubiquitination and degradation (PubMed:37969738).
Cellular Location	Nucleus.
Tissue Location	Abundantly expressed in brain and kidney. Expressed at lower levels in heart, spleen and liver

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FBXO44) Polyclonal Antibody, Unconjugated (AP56092) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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