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FbxL4 Rabbit pAb

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Catalog # AP55077

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UKA2
Reactivity	Rat, Human
Predicted	Mouse, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70097
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FbxL4/FBL4
Epitope Specificity	15-100/621
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
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 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 and, in addition to an F-box, contains at least 9 tandem leucine-rich repeats. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	26235
Other Names	F-box/LRR-repeat protein 4, F-box and leucine-rich repeat protein 4, F-box protein FBL4/FBL5, FBXL4, FBL4, FBL5
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.

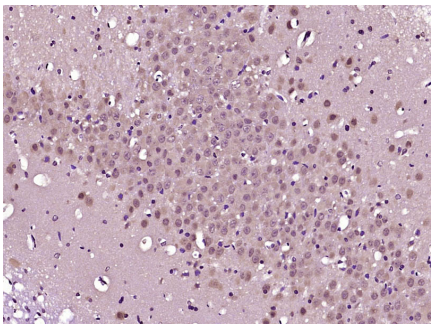
Protein Information

Name	FBXL4
Synonyms	FBL4, FBL5
Function	Substrate-recognition component of the mitochondria-localized SCF-FBXL4 ubiquitin E3 ligase complex that plays a role in the restriction of mitophagy by controlling the degradation of BNIP3 and NIX mitophagy receptors (PubMed:36896912, PubMed:38992176). Rescues also mitochondrial injury through reverting hyperactivation of DRP1- mediated mitochondrial fission (By similarity).
Cellular Location	Cytoplasm. Nucleus. Mitochondrion outer membrane
Tissue Location	Expressed in heart, kidney, liver, lung, pancreas, and placenta, but not in skeletal muscle

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 (FbxL4) Polyclonal Antibody, Unconjugated (AP55077) 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'.