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FBXL4 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13697

Product Information

Application	WB
Primary Accession	Q9UKA2
Other Accession	NM_012160, NP_036292
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70097

Additional Information

Gene ID	26235
Alias Symbol	FBL4, FBL5
Other Names	F-box/LRR-repeat protein 4, F-box and leucine-rich repeat protein 4, F-box protein FBL4/FBL5, FBXL4, FBL4, FBL5
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-FBXL4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	FBXL4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

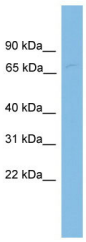
Name	FBXL4
Synonyms	FBL4, FBL5
Function	Substrate-recognition component of the mitochondria-localized SCF-FBXL4 ubiquitin E3 ligase complex that plays a role in the restriction of mitophagy by controlling the degradation of BNIP3 and NIX mitophagy receptors (PubMed:36896912, PubMed:38992176). Rescues 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

References

Winston J.T.,et al.Curr. Biol. 9:1180-1182(1999).
Cenciarelli C.,et al.Curr. Biol. 9:1177-1179(1999).
Ilyin G.P.,et al.Genomics 67:40-47(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).

Images



WB Suggested Anti-FBXL4 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: COLO205 cell lysate

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