

FbxL7 Rabbit pAb

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Catalog # AP56087

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UJT9
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54575
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FbxL7
Epitope Specificity	1-100/491
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 a 42-48 amino acid motif, the F-box, which binds to the S-phase kinase-associated protein 1 (Skp1) protein. The F-box proteins constitute one of the four subunits of E3 ubiquitin protein ligases called SCFs (SKP1-Cul1-F-box), which play a role in phosphorylation-dependent ubiquitination of proteins. The F-box proteins are divided into 3 subfamilies based on the other domain in the protein: F-box proteins that also have a WD-40 domain (Fbws subfamily), F-box proteins that also have leucine-rich repeats (Fbls subfamily) and F-box proteins that contain other motifs or lack known protein-interaction domains (Fbxs subfamily). The protein encoded by this gene belongs to the Fbls subfamily. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

Additional Information

Gene ID	23194
Other Names	F-box/LRR-repeat protein 7, F-box and leucine-rich repeat protein 7, F-box protein FBL6/FBL7, FBXL7, FBL6, FBL7, KIAA0840
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	FBXL7
Synonyms	FBL6, FBL7, KIAA0840
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex (PubMed: 25778398). During mitosis, it mediates the ubiquitination and subsequent proteasomal degradation of AURKA, causing mitotic arrest (By similarity). It also regulates mitochondrial function by mediating the ubiquitination and proteasomal degradation of the apoptosis inhibitor BIRC5 (PubMed: 25778398 , PubMed: 28218735).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250 UniProtKB:Q5BJ29}. Note=Localizes to the centrosome during spindle formation {ECO:0000250 UniProtKB:Q5BJ29}

Background

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