

FBXL21 Rabbit pAb

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Catalog # AP59016

Product Information

Application	WB
Primary Accession	Q9UKT6
Reactivity	Mouse
Predicted	Rat, Dog, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49152
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBXL21/FBL3B
Epitope Specificity	121-220/300
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	FBL3B is a 434 amino acid protein encoded by the human gene FBXL21. FBL3B contains one 40 amino acid F-box region, making it a member of the F-box family. FBL3B also contains three LRR (leucine-rich) repeats. F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein) type E3 ubiquitin ligase complex and are involved in substrate recognition and recruitment for ubiquitination. F-box proteins are members of a large family that regulates cell cycle, immune response, signaling cascades and developmental programs by targeting proteins, such as cyclins, cyclin-dependent kinase inhibitors, I κ B- α and b-catenin, for degradation by the proteasome after ubiquitination. FBL3B is a substrate-recognition component of the SCF complex that interacts with Skp1 p19 and CUL-1. FBL3B is also associated with expression and regulation of circadian and cryptochrome proteins.

Additional Information

Other Names	Putative F-box/LRR-repeat protein 21, F-box and leucine-rich repeat protein 21, F-box and leucine-rich repeat protein 3B, F-box/LRR-repeat protein 3B, FBXL21P (HGNC:13600)
Dilution	WB=1:500-2000
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.

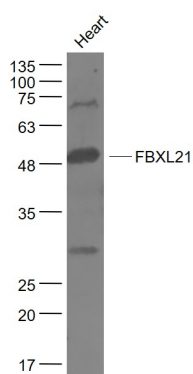
Protein Information

Name	FBXL21P (HGNC:13600)
Function	Substrate-recognition component of the SCF(FBXL21) E3 ubiquitin ligase complex involved in circadian rhythm function. Plays a key role in the maintenance of both the speed and the robustness of the circadian clock oscillation. The SCF(FBXL21) complex mainly acts in the cytosol and mediates ubiquitination of CRY proteins (CRY1 and CRY2), leading to CRY proteins stabilization. The SCF(FBXL21) complex counteracts the activity of the SCF(FBXL3) complex and protects CRY proteins from degradation. Involved in the hypothalamic suprachiasmatic nucleus (SCN) clock regulating temporal organization of the daily activities (By similarity).
Cellular Location	Cytoplasm, cytosol. Nucleus. Note=Mainly localizes in the cytosol. Present at low level in the nucleus (By similarity).

Background

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Images



Sample:
Heart (Mouse) Lysate at 40 ug
Primary: Anti- FBXL21 (AP59016) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 49 kD
Observed band size: 49 kD

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