

PPIL5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18105c

Product Information

Application	WB, E
Primary Accession	Q96L50
Other Accession	NP_689542.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38338
Calculated MW	46723
Antigen Region	127-153

Additional Information

Gene ID	122769
Other Names	Leucine-rich repeat protein 1, 4-1BB-mediated-signaling molecule, 4-1BBLrr, LRR-repeat protein 1, LRR-1, Peptidylprolyl isomerase-like 5, LRR1, PPIL5
Target/Specificity	This PPIL5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-153 amino acids from the Central region of human PPIL5.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PPIL5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LRR1 (HGNC:19742)
Synonyms	PPIL5

Function	Substrate recognition subunit of an ECS (Elongin BC-CUL2/5- SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed: 15601820). ECS(LRR1) ubiquitinates MCM7 and promotes CMG replisome disassembly by VCP and chromatin extraction during S- phase (By similarity). May negatively regulate the 4-1BB-mediated signaling cascades which result in the activation of NK-kappaB and JNK1 (PubMed: 11804328).
Cellular Location	Nucleus.
Tissue Location	Ubiquitous. Maximal expression was seen in the heart and skeletal muscle and minimal expression seen in the kidney

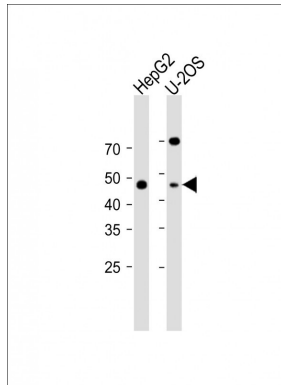
Background

The protein encoded by this gene contains a leucine-rich repeat (LRR). It specifically interacts with TNFRSF9/4-1BB, a member of the tumor necrosis factor receptor (TNFR) superfamily. Overexpression of this gene suppresses the activation of NF-kappa B induced by TNFRSF9 or TNF receptor-associated factor 2 (TRAF2), which suggests that this protein is a negative regulator of TNFRSF9-mediated signaling cascades. At least three alternatively spliced transcript variants encoding distinct isoforms have been observed.

References

Jang, L.K., et al. Mol. Cells 12(3):304-312(2001)

Images



All lanes: Anti-PPIL5 Antibody (Center) at 1:1000 dilution
Lane 1: HepG2 whole cell lysate Lane 2: U-2OS whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 46 KDa
Blocking/Dilution buffer: 5% NFDm/TBST.

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