

PPIL5 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18105c

Specification

PPIL5 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O96L50
Other Accession	NP_689542.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46723
Antigen Region	127-153

PPIL5 Antibody (Center) - Additional Information

Gene ID 122769

Other Names

Leucine-rich repeat protein 1, 4-1BB-mediated-signaling molecule, 4-1BB_{lr}, 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

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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.

PPIL5 Antibody (Center) - 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

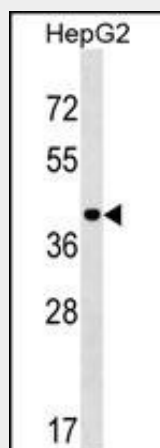
Ubiquitous. Maximal expression was seen in the heart and skeletal muscle and minimal expression seen in the kidney

PPIL5 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPIL5 Antibody (Center) - Images



PPIL5 Antibody (Center) (Cat. #AP18105c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the PPIL5 antibody detected the PPIL5 protein (arrow).

PPIL5 Antibody (Center) - 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.

PPIL5 Antibody (Center) - References

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