

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

**Specification**

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**PPIL5 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96L50</a>
Other Accession	<a href="#">NP_689542.2</a>
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, 4-1BBIrr, 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 0.09% (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.

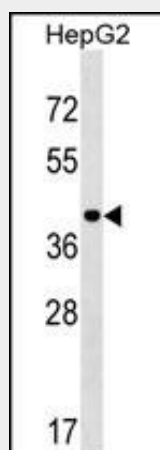
**Tissue Location**

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)