

**PPIL5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18105c****Specification**

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**PPIL5 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q96L50](#)**PPIL5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 122769**Other Names**

Leucine-rich repeat protein 1, 4-1BB-mediated-signaling molecule, 4-1BBIr, LRR-repeat protein 1, LRR-1, Peptidylprolyl isomerase-like 5, LRR1, PPIL5

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PPIL5 Antibody (Center) Blocking Peptide - 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:&lt;a href="http://www.uniprot.org/citations/15601820" target="\_blank"&gt;15601820&lt;/a&gt;). 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:&lt;a href="http://www.uniprot.org/citations/11804328" target="\_blank"&gt;11804328&lt;/a&gt;).

**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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **PPIL5 Antibody (Center) Blocking Peptide - Images**

## **PPIL5 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References**

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