

**PPIL1 Antibody (Center) Blocking Peptide**  
Synthetic peptide  
Catalog # BP16758c

**Specification**

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**PPIL1 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O9Y3C6](#)

**PPIL1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 51645

**Other Names**

Peptidyl-prolyl cis-trans isomerase-like 1, PPlase, Rotamase PPIL1, PPIL1, CYPL1

**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.

**PPIL1 Antibody (Center) Blocking Peptide - Protein Information**

Name PPIL1

Synonyms CYPL1

**Function**

Involved in pre-mRNA splicing as component of the spliceosome (PubMed:<a href="http://www.uniprot.org/citations/11991638" target="\_blank">11991638</a>, PubMed:<a href="http://www.uniprot.org/citations/28076346" target="\_blank">28076346</a>, PubMed:<a href="http://www.uniprot.org/citations/28502770" target="\_blank">28502770</a>, PubMed:<a href="http://www.uniprot.org/citations/33220177" target="\_blank">33220177</a>). PPlases accelerate the folding of proteins. Catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides (PubMed:<a href="http://www.uniprot.org/citations/16595688" target="\_blank">16595688</a>). Catalyzes prolyl peptide bond isomerization in CDC40/PRP17 (PubMed:<a href="http://www.uniprot.org/citations/33220177" target="\_blank">33220177</a>). Plays an important role in embryonic brain development; this function is independent of its isomerase activity (PubMed:<a href="http://www.uniprot.org/citations/33220177" target="\_blank">33220177</a>).

**Cellular Location**

Nucleus

**Tissue Location**

Ubiquitous, with the most abundant expression in heart and skeletal muscle

**PPIL1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PPIL1 Antibody (Center) Blocking Peptide - Images****PPIL1 Antibody (Center) Blocking Peptide - Background**

This gene is a member of the cyclophilin family of peptidylprolyl isomerases (PPIases). The cyclophilins are a highly conserved, ubiquitous family, members of which play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. Based on similarity to other PPIases, this protein could accelerate the folding of proteins and might catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

**PPIL1 Antibody (Center) Blocking Peptide - References**

Wang, X., et al. J. Biol. Chem. 285(7):4951-4963(2010) Xu, C., et al. J. Biol. Chem. 281(23):15900-15908(2006) Xu, C., et al. J. Biomol. NMR 31(2):179-180(2005) Mungall, A.J., et al. Nature 425(6960):805-811(2003) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)