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# PPIL1 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP16758c**

## Specification

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

Primary Accession Q9Y3C6

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

**Gene ID** 51645

**Other Names**
Peptidyl-prolyl cis-trans isomerase-like 1, PPIase, 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/28502770" target="_blank">28502770</a>, PubMed:<a href="http://www.uniprot.org/citations/28076346" target="_blank">28076346</a>, PubMed:<a href="http://www.uniprot.org/citations/33220177" target="_blank">33220177</a>). PPIases 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 ofpeptidylprolyl isomerases (PPIases). The cyclophilins are a highlyconserved, ubiquitous family, members of which play an importantrole in protein folding, immunosuppression by cyclosporin A, andinfection of HIV-1 virions. Based on similarity to other PPIases,this protein could accelerate the folding of proteins and mightcatalyze the cis-trans isomerization of proline imidic peptidebonds 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)