

**PRP17 Antibody (Center R178) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1947f****Specification**

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**PRP17 Antibody (Center R178) Blocking Peptide - Product Information**Primary Accession [O60508](#)**PRP17 Antibody (Center R178) Blocking Peptide - Additional Information****Gene ID** 51362**Other Names**

Pre-mRNA-processing factor 17, Cell division cycle 40 homolog, EH-binding protein 3, Ehb3, PRP17 homolog, hPRP17, CDC40, EHB3, PRP17, PRPF17

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1947f](/product/products/AP1947f) was selected from the Center region of human PRP17. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**PRP17 Antibody (Center R178) Blocking Peptide - Protein Information****Name** CDC40**Synonyms** EHB3, PRP17, PRPF17**Function**

Required for pre-mRNA splicing as component of the activated spliceosome (PubMed: [33220177](http://www.uniprot.org/citations/33220177)). Plays an important role in embryonic brain development; this function does not require proline isomerization (PubMed: [33220177](http://www.uniprot.org/citations/33220177)).

**Cellular Location**

Nucleus. Nucleus speckle

**PRP17 Antibody (Center R178) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PRP17 Antibody (Center R178) Blocking Peptide - Images****PRP17 Antibody (Center R178) Blocking Peptide - Background**

Pre-mRNA splicing occurs in two sequential transesterification steps. PRP17 is found to be essential for the catalytic step II in pre-mRNA splicing process. It is found in the spliceosome, and contains seven WD repeats, which function in protein-protein interactions. PRP17 has a sequence similarity to yeast Prp17 protein, which functions in two different cellular processes: pre-mRNA splicing and cell cycle progression. It suggests that this protein may play a role in cell cycle progression.

**PRP17 Antibody (Center R178) Blocking Peptide - References**

Ben-Yehuda, S., et al., Genetics 156(4):1503-1517 (2000).Lindsey, L.A., et al., J. Biol. Chem. 273(49):32771-32775 (1998).Ben Yehuda, S., et al., RNA 4(10):1304-1312 (1998).Zhou, Z., et al., EMBO J. 17(7):2095-2106 (1998).Salcini, A.E., et al., Genes Dev. 11(17):2239-2249 (1997).