

PR15B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13118b**Specification**

PR15B Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q5SWA1](#)**PR15B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 84919**Other Names**

Protein phosphatase 1 regulatory subunit 15B, PPP1R15B

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13118b was selected from the C-term region of PR15B. 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.

PR15B Antibody (C-term) Blocking Peptide - Protein Information**Name** PPP1R15B**Function**

Maintains low levels of EIF2S1 phosphorylation in unstressed cells by promoting its dephosphorylation by PP1.

PR15B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PR15B Antibody (C-term) Blocking Peptide - Images**PR15B Antibody (C-term) Blocking Peptide - Background**

PPP1R15B promotes dephosphorylation of the transcription initiation factor EIF2-alpha (EIF2S1; MIM 603907) through recruitment of protein phosphatase-1 (PP1) catalytic subunits (see MIM 176875) (Harding et al., 2009 [PubMed 19181853]). [supplied by OMIM].

PR15B Antibody (C-term) Blocking Peptide - References

Harding, H.P., et al. Proc. Natl. Acad. Sci. U.S.A. 106(6):1832-1837(2009) Colland, F., et al. Genome Res. 14(7):1324-1332(2004) Ceulemans, H., et al. Bioessays 24(4):371-381(2002)