

**Phospho-EIF4B(S93) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3621a****Specification**

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**Phospho-EIF4B(S93) Antibody Blocking peptide - Product Information**

Primary Accession [P23588](#)  
Other Accession [Q8WYK5](#)

**Phospho-EIF4B(S93) Antibody Blocking peptide - Additional Information**

**Gene ID** 1975

**Other Names**

Eukaryotic translation initiation factor 4B, eIF-4B, EIF4B

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP3621a](/products/AP3621a) was selected from the region of human Phospho-EIF4B-pS93. 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.

**Phospho-EIF4B(S93) Antibody Blocking peptide - Protein Information**

**Name** EIF4B

**Function**

Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

**Phospho-EIF4B(S93) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-EIF4B(S93) Antibody Blocking peptide - Images****Phospho-EIF4B(S93) Antibody Blocking peptide - Background**

EIF4B is required for the binding of mRNA to ribosomes. It functions in close association with EIF4-F and EIF4-A by binding near the 5'- terminal cap of mRNA in presence of EIF-4F and ATP. This protein also promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

**Phospho-EIF4B(S93) Antibody Blocking peptide - References**

Doecker, R.C., et al., J. Virol. 78(9):4684-4699 (2004). Fleming, K., et al., Biochemistry 42(30):8966-8975 (2003). Milburn, S.C., et al., EMBO J. 9(9):2783-2790 (1990).