

**EIF4B Antibody (S422)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1950d**

**Specification**

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**EIF4B Antibody (S422) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P23588</a>
Other Accession	<a href="#">Q8WYK5</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>69151</b>
Antigen Region	<b>400-429</b>

**EIF4B Antibody (S422) - Additional Information**

**Gene ID** 1975

**Other Names**

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

**Target/Specificity**

This EIF4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-429 amino acids from human EIF4B.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

EIF4B Antibody (S422) is for research use only and not for use in diagnostic or therapeutic procedures.

**EIF4B Antibody (S422) - Protein Information**

**Name** EIF4B

**Function** Required for the binding of mRNA to ribosomes. Functions in close association with

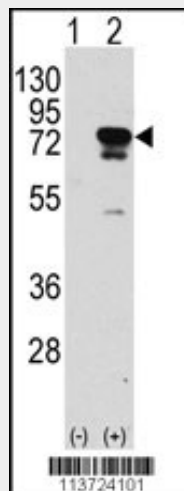
EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

### EIF4B Antibody (S422) - Protocols

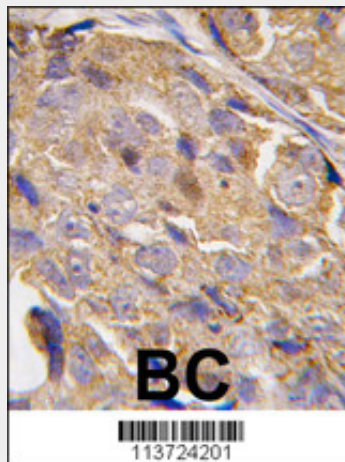
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### EIF4B Antibody (S422) - Images



Western blot analysis of EIF4B (arrow) using rabbit polyclonal EIF4B Antibody (S422) (RB13724). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EIF4B gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with EIF4B-S422, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **EIF4B Antibody (S422) - 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. It also promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F

#### **EIF4B Antibody (S422) - References**

- Doepker, 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).