

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

### Specification

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

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

#### 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

IHC-P~1:10~50

WB~1:1000

E~~Use at an assay dependent concentration.

##### 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

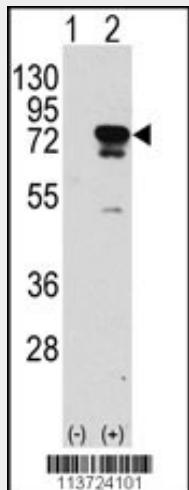
**Function** Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

### EIF4B Antibody (S422) - Protocols

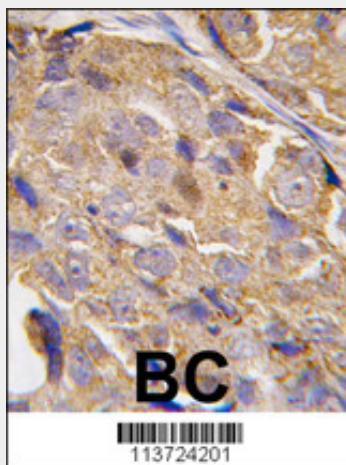
Provided below are standard protocols that you may find useful for product applications.

- [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).