

## **EIF4B Antibody (Center)**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1950c

## **Specification**

# **EIF4B Antibody (Center) - Product Information**

Application WB, IHC-P,E Primary Accession P23588

Other Accession <u>Q8BGD9</u>, <u>Q8WYK5</u>

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region

Human
Mouse
Rabbit
Polyclonal
Rabbit IgG
C9151
353-382

# EIF4B Antibody (Center) - 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 353-382 amino acids from the Central region of human EIF4B.

## **Dilution**

WB~~1:1000 IHC-P~~1:50~100

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### 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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# EIF4B Antibody (Center) - Protein Information

#### Name EIF4B



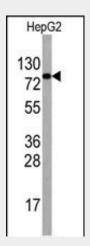
**Function** Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

# **EIF4B Antibody (Center) - Protocols**

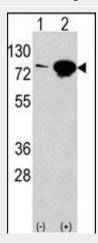
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# EIF4B Antibody (Center) - Images



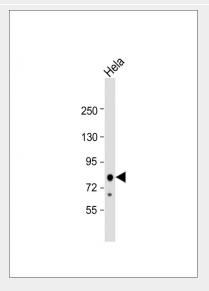
Western blot analysis of anti-EIF4B Antibody (Center) Pab (Cat.#AP1950c) in HepG2 cell line lysates (35ug/lane). EIF4B(arrow) was detected using the purified Pab.



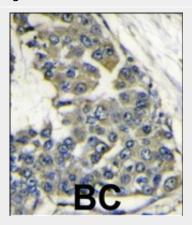
Western blot analysis of anti-EIF4B Antibody (Center) Pab (Cat.#AP1950c) in 293 cell line lysates transiently transfected with the EIF4B gene (2ug/lane). EIF4B(arrow) was detected using the



# purified Pab.



Anti-EIF4B Antibody (Center) at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 69 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human breast carcinoma reacted with EIF4B antibody (Center)(Cat.#AP1950c), 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 (Center) - 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 gene also promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F