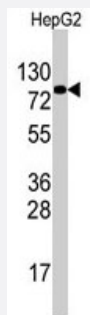


EIF4B polyclonal antibody

Catalog # PAB3774

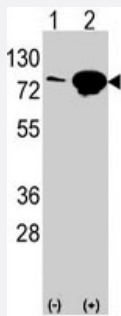
Size 400 uL

Applications



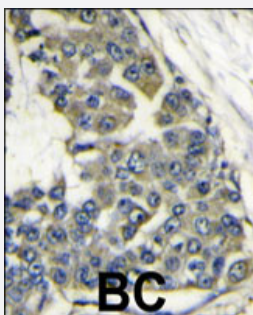
Western Blot (Cell lysate)

Western blot analysis of EIF4B polyclonal antibody (Cat # PAB3774) in HepG2 cell line lysates (35 ug/lane). EIF4B (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).



Western Blot (Transfected lysate)

Western blot analysis of EIF4B polyclonal antibody (Cat # PAB3774) in 293 cell line lysates transiently transfected with the EIF4B gene (2 ug/lane). EIF4B (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with EIF4B polyclonal antibody (Cat # PAB3774), 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.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of EIF4B.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to internal region of human EIF4B.

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of EIF4B polyclonal antibody (Cat # PAB3774) in HepG2 cell line lysates (35 ug/lane). EIF4B (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).

- Western Blot (Transfected lysate)

Western blot analysis of EIF4B polyclonal antibody (Cat # PAB3774) in 293 cell line lysates transiently transfected with the EIF4B gene (2 ug/lane). EIF4B (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with EIF4B polyclonal antibody (Cat # PAB3774), 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.

Gene Info — EIF4B

Entrez GeneID	1975
Protein Accession#	NP_001408;Q8WYK5
Gene Name	EIF4B
Gene Alias	EIF-4B, PRO1843

Gene Description	eukaryotic translation initiation factor 4B
Omim ID	603928
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [Herpes simplex virus virion host shutoff protein is stimulated by translation initiation factors eIF4B and eIF4H.](#)

Doecker RC, Hsu WL, Saffran HA, Smiley JR.

Journal of Virology 2004 May; 78(9):4684.

- [Solution structure and RNA interactions of the RNA recognition motif from eukaryotic translation initiation factor 4B.](#)

Fleming K, Ghuman J, Yuan X, Simpson P, Szendroi A, Matthews S, Curry S.

Biochemistry 2003 Aug; 42(30):8966.

- [Cloning and expression of eukaryotic initiation factor 4B cDNA: sequence determination identifies a common RNA recognition motif.](#)

Milburn SC, Hershey JW, Davies MV, Kelleher K, Kaufman RJ.

The EMBO Journal 1990 Sep; 9(9):2783.

Application: WB-Tr, Monkey, COS-1 cells

Pathway

- [mTOR signaling pathway](#)