

## eIF4B(Ab-422) Antibody

Catalog No: #AB21513



Package Size: #AB21513-1 50ul #AB21513-2 100ul #AB21513-4 25ul

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## Description

Product Name	eIF4B(Ab-422) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total eIF4B protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.420~424 (T-G-S-E-S) derived from Human eIF4B.
Target Name	eIF4B
Accession No.	Swiss-Prot: P23588NCBI Protein: NP_001408.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

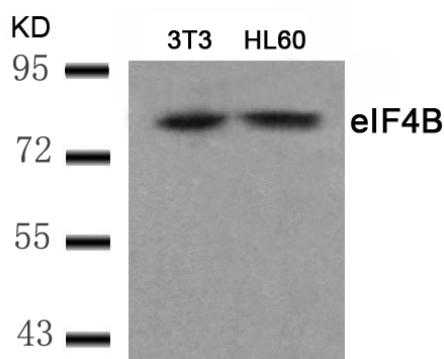
## Application Details

Predicted MW: 80kd

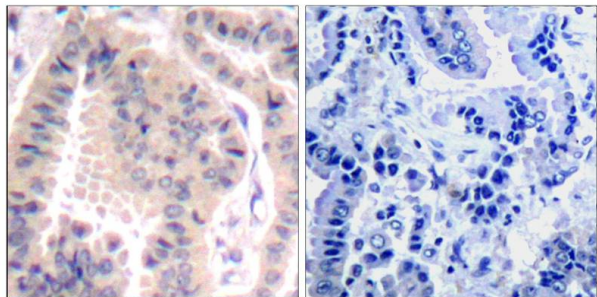
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from 3T3 and HL60 cells using eIF4B(Ab-422) Antibody #AB21513.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using eIF4B(Ab-422) Antibody #AB21513(left) or the same antibody preincubated with blocking peptide(right).

## Background

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 EIF4-F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

Gingras, A.C. et al. (2001) *Genes Dev.* 15, 807-826.

Duncan, R. and Hershey, J.W. (1985) *J. Biol. Chem.* 260, 5493-5497.

Duncan, R.F. and Hershey, J.W. (1989) *J. Cell Biol.* 109, 1467-1481.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.