

Anti-eIF4B(Ab-422) Antibody

Catalog Number: A00846

About EIF4B

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.

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.

Overview

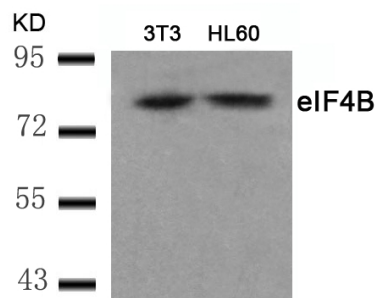
Product Name	Anti-eIF4B(Ab-422) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-eIF4B(Ab-422) Antibody (Catalog # A00846). Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P23588

Technical Details

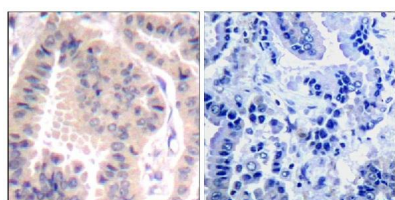
Immunogen	Peptide sequence around aa.420~424 (T-G-S-E-S) derived from Human eIF4B.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Predicted MW: 80kd Western blotting: 1:500~1:1000 Immunohistochemistry: 1:50~1:100

Anti-eIF4B(Ab-422) Antibody (A00846) Images



Western blot analysis of extracts from 3T3 and HL60 cells using eIF4B(Ab-422) antibody A00846.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using eIF4B(Ab-422) antibody A00846(left) or the same antibody preincubated with blocking peptide(right).

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