Product Datasheet

eIF4B(phospho-Ser422) Antibody

Catalog No: #11513

Package Size: #11513-1 50ul #11513-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	eIF4B(phospho-Ser422) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of eIF4B only when phosphorylated at Serine 422.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 422 (T-G-S(p)-E-S) derived from Human eIF4B.
Target Name	eIF4B
Modification	Phospho
Accession No.	Swiss-Prot: P23588NCBI Protein: NP_001408.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

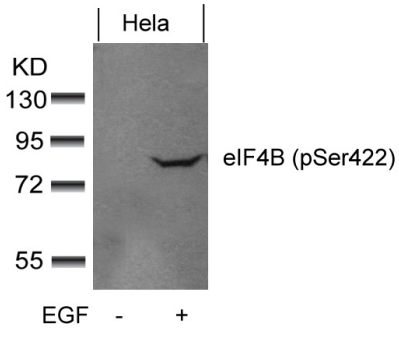
Application Details

Predicted MW: 80kd

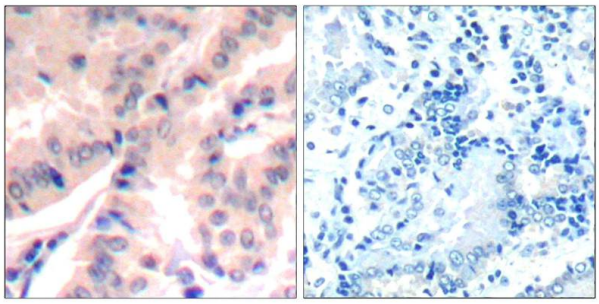
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Hela cells untreated or treated with EGF using eIF4B(phospho-Ser422) Antibody #11513.



Immunohistochemical analysis of paraffin-embedded human lung carcinomatissue using eIF4B(Phospho-Ser422) Antibody #11513(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 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.

Published Papers

el at., Mammalian target of rapamycin complex 1 (mTORC1) and 2 (mTORC2) control the dendritic arbor morphology of hippocampal neurons. In J Biol Chem on 2012 Aug 31 by Malgorzata Urbanska, Agata Gozdz, et al..PMID: 22810227, , (2012)

PMID:22810227

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