

## 35-1310: Polyclonal Antibody to eIF4B (phospho-Ser422)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	EIF4B
<b>Gene ID :</b>	1975
<b>Uniprot ID :</b>	P23588
<b>Format :</b>	Purified
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of Serine 422 (T-G-S(p)-E-S) derived from Human eIF4B.

### Description

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.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	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.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 80kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

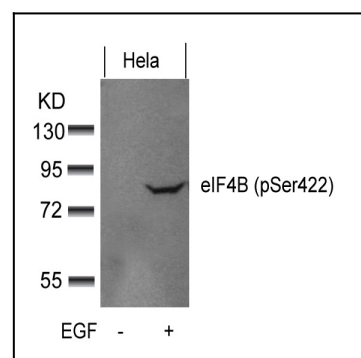


Figure 1: Western blot analysis of extracts from HeLa cells untreated or treated with EGF using eIF4B(phospho-Ser422) Antibody 35-1310 .

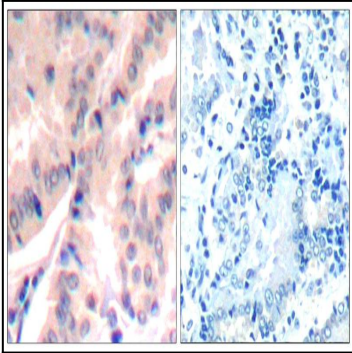


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using eIF4B(Phospho-Ser422) Antibody 35-1310 (left) or the same antibody preincubated with blocking peptide(right).