

Rabbit Anti-phospho-EIF4B (Ser406)/AF350 Conjugated antibody

SL14551R-AF350

Product Name	Anti-phospho-EIF4B (Ser406)/AF350
Chinese Name	AF350 标记的磷酸化真核翻译起始因子 4B 抗体
Alias	eIF4B (phospho S406); p-eIF4B (phospho S406); EIF 4B; EIF-4B; Eukaryotic initiation factor 4B; IF4B_HUMAN.
Product Type	Phosphorylated anti
Research Area	Transporter Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog,Cow,Horse,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	69kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated Synthesised phosphopeptide derived from human EIF4B around the phosphorylation site of Ser406
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: eIF4B is required for the binding of mRNA to ribosomes. It functions in close association with eIF4F and eIF4A. It binds near the 5'-terminal cap of mRNA in the presence of eIF4F and ATP. It promotes the ATPase activity and the

ATP-dependent RNA unwinding activity of both eIF4A and eIF4F (referenced from swissprot).

Function:

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.

Post-translational modifications:

Phosphorylated at Ser-422 by RPS6KA1 and RPS6KB1; phosphorylation enhances the affinity of EIF4B for the EIF3 complex.

Similarity:

Contains 1 RRM (RNA recognition motif) domain.

Database links:

[Entrez Gene: 1975](#) Human

[Entrez Gene: 75705](#) Mouse

[Entrez Gene: 300253](#) Rat

[Omim: 603928](#) Human

[SwissProt: P23588](#) Human

[SwissProt: Q8BGD9](#) Mouse

[Unigene: 648394](#) Human

[Unigene: 702041](#) Human

[Unigene: 290022](#) Mouse

[Unigene: 391795](#) Mouse

[Unigene: 95954](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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