



Rabbit Anti-phospho-EIF4B (Ser504) antibody

SL5346R

Product Name:	phospho-EIF4B (Ser504)
Chinese Name:	磷酸化真核翻译起始因子4B抗体
Alias:	EIF 4B; EIF-4B; Eukaryotic initiation factor 4B; IF4B_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	69kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human EIF4B around the phosphorylation site of Ser504:QQ(p-S)PT
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 EIF4-F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

Subunit:

Self-associates and interacts with EIF3 p170 subunit.

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.

SWISS:

P23588

Gene ID:

1975

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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