

Rabbit Anti-EIF4B Polyclonal Antibody

CPB-1224RH Rabbit(EIF4B)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-EIF4B Polyclonal Antibody
Antigen 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.
specificity	The antibody detects endogenous level of total EIF4B protein.
Target	EIF4B
Immunogen	Peptide sequence around aa. 420~424 (T-G-S-E-S) derived from HumanEIF4B.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB

PACKAGING

Format	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	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	EIF4B eukaryotic translation initiation factor 4B [Homo sapiens]
Official Symbol	EIF4B
Synonyms	EIF4B; eukaryotic translation initiation factor 4B; EIF-4B; PRO1843;
GeneID	1975
mRNA Refseq	NM_001417
Protein Refseq	NP_001408
MIM	603928
UniProt ID	P23588
Chromosome Location	12q13.13
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem;

Function

RNA binding; nucleotide binding; protein binding; translation initiation factor activity;