

Rabbit Anti-EIF4E Polyclonal Antibody

CPB-1116RH Rabbit(EIF4E)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-EIF4E Polyclonal Antibody
Antigen Description	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures.
specificity	The antibody detects endogenous level of total EIF4E protein.
Target	EIF4E
Immunogen	Peptide sequence around aa. 207-211 (S-G-S-T-T) derived from Human EIF4E.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,WB,IHC

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	EIF4E eukaryotic translation initiation factor 4E [Homo sapiens]
Official Symbol	EIF4E
Synonyms	EIF4E; eukaryotic translation initiation factor 4E; EIF4EL1, EIF4F; EIF4E1; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; eukaryotic translation initiation factor 4E-like 1; CBP; EIF4F; EIF4EL1; MGC111573;
GeneID	1977
mRNA Refseq	NM_001130678
Protein Refseq	NP_001124150
MIM	133440
UniProt ID	P06730
Chromosome Location	4q21-q25

Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem;
Function	RNA cap binding; protein binding; translation initiation factor activity;