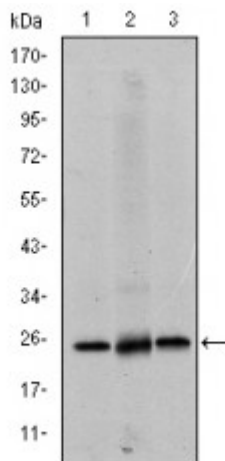


Anti-eIF4E antibody



Description	Mouse monoclonal to eIF4E.
Model	STJ98016
Host	Mouse
Reactivity	Human
Applications	ELISA, FC, IF, IHC, WB
Immunogen	Purified recombinant fragment of human eIF4E expressed in E. Coli.
Gene ID	1977
Gene Symbol	EIF4E
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000FC 1:200-1:400ELISA 1:10000
Specificity	eIF4E Monoclonal Antibody detects endogenous levels of eIF4E protein.
Purification	Affinity purification
Clone ID	5D11
Note	For Research Use Only (RUO).
Protein Name	Eukaryotic translation initiation factor 4E eIF-4E eIF4E eIF-4F 25 kDa subunit mRNA cap-binding protein
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1

Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3287OMIM:133440
Alternative Names	Eukaryotic translation initiation factor 4E eIF-4E eIF4E eIF-4F 25 kDa subunit mRNA cap-binding protein
Function	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. Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit mediates the binding to the mRNA cap.
Cellular Localization	Cytoplasm, P-body Cytoplasm
Post-translational Modifications	Phosphorylation increases the ability of the protein to bind to mRNA caps and to form the eIF4F complex.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com