

Datasheet for ABIN7126325

anti-EIF4E antibody



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Overview

Quantity:	100 µg
Target:	EIF4E
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant full-length human EIF4E protein
Isotype:	IgG2a
Specificity:	The initiation of protein synthesis in eukaryotic cells is regulated by interactions between protein initiation factors and RNA molecules. The eukaryotic initiation complex eIF4F exists in vitro as a trimeric complex of eIF4E, eIF4A and eIF4G. Together, the complex allows ribosome binding to mRNA by inducing the unwinding of mRNA secondary structures. eIF4E binds to the mRNA cap during an early step in the initiation of protein synthesis. eIF4A acts as an ATP-dependent RNA helicase. eIF4G acts as a bridge between eIF4E, eIF4A and the eIF3 complex.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
Background:	AUTS19, CBP, eIF-4F 25 kDa subunit, eIF4E, EIF4E1, EIF4EL1, EIF4F, Eukaryotic translation initiation factor 4E like 1, Messenger RNA (mRNA) Cap Binding Protein eIF 4E,EIF4E Cellular localisation: Cytoplasm.
Molecular Weight:	25.1kDa
Gene ID:	1977, 249718
UniProt:	P06730
Pathways:	BCR Signaling

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), ,Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL),Optimal dilution for a specific application should be determined. Positive_Control: HeLa, Raji or U87 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months