

Datasheet for ABIN4953242
anti-EIF4E antibody



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1 Image

Overview

Quantity:	0.1 mL
Target:	EIF4E
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A human recombinant protein was used as the immunogen for this EIF4E antibody.
Clone:	8C8-C10-C12
Isotype:	IgG1
Purification:	Protein G affinity

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
Background:	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

Target Details

	subunit mediates the binding to the mRNA cap. [UniProt]
UniProt:	P06730
Pathways:	BCR Signaling

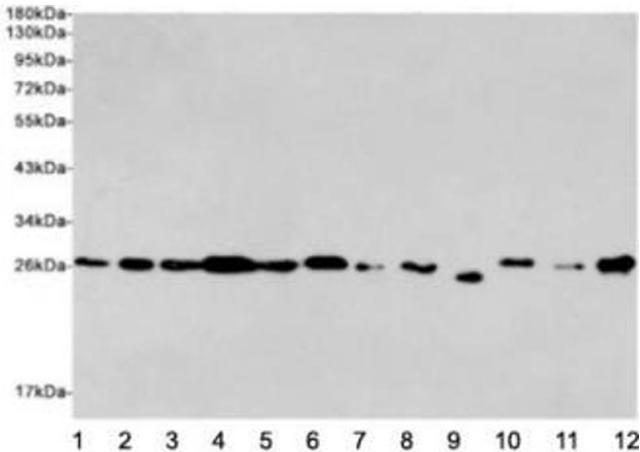
Application Details

Application Notes:	The stated application concentrations are suggested starting points. Titration of the EIF4E antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Buffer:	Antibody in PBS with 50 % Glycerol and 0.03 % ProClin 300
Storage:	-20 °C
Storage Comment:	Store the EIF4E antibody at -20°C.

Images



Western Blotting

Image 1. Western blot testing of human 1) Jurkat, 2) HeLa, 3) MCF7, 4) K562, 5) rat C6, 6) mouse NIH3T3, 7) rat PC12, 8) human HepG2, 9) hamster CHO-K1, 10) human Raji, 11) mouse Raw264.7 and 12) human Ramos cell lysates using EIF4E antibody at 1:2000. Predicted molecular weight ~27 kDa.