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# Datasheet for ABIN5557447 anti-EIF4E antibody (pSer209)

2 Images



# Overview

Quantity:	100 µL
Target:	EIF4E
Binding Specificity:	pSer209
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

# Product Details

Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human EIF4E around the phosphorylation site of Ser209: SG(p-S)TT
Clone:	2B1
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	

Target:

EIF4E

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Target Details	
Alternative Name:	eIF4E (EIF4E Products)
Background:	Synonyms: CBP, EIF4F, AUTS19, EIF4E1, EIF4EL1, Eukaryotic translation initiation factor 4E, eIF- 4E, eIF4E, eIF-4F 25 kDa subunit, mRNA cap-binding protein
	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 subunit mediates the binding to the mRNA cap.
Gene ID:	1977
UniProt:	P06730
Pathways:	BCR Signaling
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 %
	Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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### Western Blotting

**Image 1.** Lane 1: Mouse spleen, Lane 2: Rat spleen cell lysate probed with eIF4E(S209) (2B1) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



# Immunofluorescence (Cultured Cells)

**Image 2.** SH-SY-5Y cells were fixed in paraformaldehyde, permeabilized with 0.25% Triton X100/PBS and stained with eIF4E(S209) (2B1 ) Monoclonal Antibody at 1:200 and incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.

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