

Datasheet for ABIN7603287
anti-EIF4E antibody (pSer209)



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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 (IHC), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-EIF4E Monoclonal Antibody
Immunogen:	A synthesized peptide derived from human EIF4E eIF4E, a protein modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. eIF4E also influences the overall rate of translation. eIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of eIF4E on serine 209 regulates the affinity of this protein for the 7 methyl GTP cap and/or RNA. Phosphorylation also enhances the interaction of eIF4E with eIF4G, which form a complex known as eIF4F. eIF4E phosphorylation is correlated with increased translational rate in a number of cell types.
Clone:	AFHI-5
Isotype:	IgG

Product Details

Characteristics:	Anti-EIF4E Monoclonal Antibody (ABIN7603287). Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Purification:	Affinity-chromatography

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
Background:	Synonyms: Transcriptional repressor CTCF,11-zinc finger protein,CCCTC-binding factor,CTCFL paralog,CTCF, Tissue Specificity: Ubiquitous. Absent in primary spermatocytes. .
Molecular Weight:	25 kDa
UniProt:	P06730
Pathways:	BCR Signaling

Application Details

Application Notes:	WB 1:100-1:5000 IHC 1:100-1:500 IP 1:30 FC 1:40
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL
Concentration:	Lot specific
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol, 0.4-0.5 mg/mL BSA.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
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Storage Comment:	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
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