

Datasheet for ABIN358406
anti-EIF4E antibody (pSer209)



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1 Image

Overview

Quantity:	0.4 mL
Target:	EIF4E
Binding Specificity:	pSer209
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S209 of human EIF4E.
Isotype:	Ig Fraction
Specificity:	This antibody detects EIF4E pSer209.
Purification:	Affinity purification in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)

Target Details

Background:	EIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIF4G3. EIF4E is also known to interact with other partners. The interaction with EIF4ENIF1 mediates the import into the nucleus. Nonphosphorylated EIF4EBP1, EIF4EBP2 and EIF4EBP3 compete with EIF4G1/EIF4G3 to interact with EIF4E, insulin stimulated MAP-kinase (MAPK1 and MAPK3) phosphorylation of EIF4EBP1 causes dissociation of the complex allowing EIF4G1/EIF4G3 to bind and consequent initiation of translation. Rapamycin can attenuate insulin stimulation, mediated by FKBP. Synonyms: EIF-4E, EIF4EL1, EIF4F, Eukaryotic translation initiation factor 4E, eIF-4F 25 kDa subunit, mRNA cap-binding protein
Molecular Weight:	25097 Da
Gene ID:	1977, 9606
UniProt:	P06730
Pathways:	BCR Signaling

Application Details

Application Notes:	ELISA: 1/1,000. Dot Blot: 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative.
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

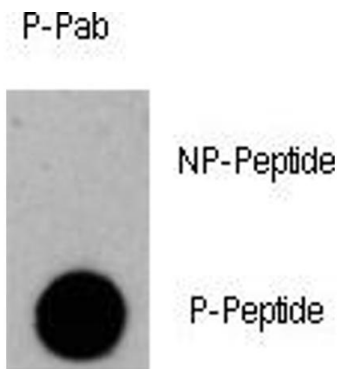


Image 1.

Dot Blot