Datasheet for ABIN7540529

anti-EIF4E antibody (C-Term)

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Overview

Quantity:	25 µL
Target:	EIF4E
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	EIF4E Antibody
Immunogen:	Anti-EIF4E antibody was prepared from eggs of chickens laid after repeated immunizations with a synthetic peptide corresponding to a near C-Terminal portion of human EIF4E conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human EIF4E.
Purification:	This product is an IgY fraction antibody purified from monospecific chicken egg yolks by a multi-step process which includes selective precipitation and salt fractionation followed by extensive dialysis against the buffer stated above.
Sterility:	Sterile filtered

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
Background:	Chicken Anti-EIF4E Antibody, Eukaryotic Translation Initiation Factor 4E, MRNA Cap-Binding Protein, EIF-4F 25 KDa Subunit, EIF4EL1, EIF-4E, EIF4F, Eukaryotic Translation Initiation Factor 4E-Like 1, AUTS19, EIF4E1, EIF4E, CBP,EIF4E (Eukaryotic Translation Initiation Factor 4E) 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. It is a 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. EIF4E is associated with Autism 19 and Pervasive Developmental Disorder. Anti-EIF4E Antibody is useful for researcher interested in cancer research and AKT signaling.
Gene ID:	1977
NCBI Accession:	NP_001124150
UniProt:	P06730
Pathways:	BCR Signaling

Application Details

Application Notes:	ELISA_Dilution: User Optimized Immunohistochemistry_Dilution: 1:1000 Western_Blot_Dilution: 5 µg/mL
Comment:	Anti-EIF4E Antibody has been tested in Western Blot and IHC. Expect a band at ~25-28kDa in western blot using appropriate tissues and lysates. Positive control used: HEK293T, MOLT-4 and Daudi lysates in Western Blot, Human Lung Adenocarcinoma Tissue in Immunohistochemistry.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.002 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.0 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months