

Datasheet for ABIN7540528
anti-EIF4E antibody (C-Term)



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Overview

Quantity:	100 µg
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:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months