Datasheet for ABIN7540568

anti-EEF1A2 antibody (C-Term)

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Overview

Quantity:	25 µL
Target:	EEF1A2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This EEF1A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Fluorescence Microscopy (FM)

Product Details

Purpose:	EEF1A2 Antibody
Immunogen:	Anti-EEF1A2 antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to a near C-terminal portion of human EEF1A2 conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human EEF1A2.
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	EEF1A2
Alternative Name:	EEF1A2 (EEF1A2 Products)
Background:	Goat Anti-EEF1A2 Antibody, Goat Anti-Eukaryotic Translation Elongation Factor 1 Alpha 2 Antibody, Eukaryotic Elongation Factor 1 A-2, EF-1-Alpha-2, Statin-S1, EEF1AL, STN 3, Elongation Factor 1-Alpha 2, Statin-Like, EEF1A-2, EIEE33, Statin, MRD38, EF1A, STNL, HS1,EEF1A2 (Eukaryotic Translation Elongation Factor 1 Alpha 2) protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. EEF1A2 encodes an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 2) is expressed in brain, heart and skeletal muscle, and the other isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas. EEF1A2 may be associated with the development of ovarian cancer, along with Epileptic Encephalopathy, Early Infantile, 33 and Mental Retardation, Autosomal Dominant 38. Anti-EEF1A2 Antibody is useful for researchers interested in cancer research, translation factors, GTP binding, and GTPase activities.
Gene ID:	1917
NCBI Accession:	NP_001949
UniProt:	Q05639

Application Details

Application Notes:	ELISA_Dilution: 1:10,000-1:50,000 Immunohistochemistry_Dilution: 1:200 IF_Microscopy_Dilution: 15 µg/mL Western_Blot_Dilution: 1:1000
Comment:	Anti-EEF1A2 Antibody has been tested in WB, IF, and IHC. Expect a band at ~50.5 kDa in western blot using appropriate lysates. Positive control used: human skeletal muscle lysate, MCF-7 nuclear extract lysate in WB, MCF-7 cells in IF, and human skeletal muscle tissue in IHC.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None

Handling

	Preservative: 0.01 % (w/v) Sodium Azide
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