

Datasheet for ABIN7540533
anti-eEF1A1 antibody (N-Term)



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Overview

Quantity:	25 µL
Target:	eEF1A1 (EEF1A1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This eEF1A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	EEF1A1 Antibody
Immunogen:	Anti-EEF1A1 antibody was prepared from eggs of chickens laid after repeated immunizations with a synthetic peptide corresponding to a N-terminal portion of human EEF1A1 conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human EEF1A1.
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:	eEF1A1 (EEF1A1)
Alternative Name:	EEF1A1 (EEF1A1 Products)
Background:	Chicken Anti-Eukaryotic Translation Elongation Factor 1 Alpha 1, Leukocyte Receptor Cluster (LRC) Member 7, Leukocyte Receptor Cluster Member 7, Eukaryotic Elongation Factor 1 A-1, Elongation Factor 1-Alpha 1, Elongation Factor Tu, EF-1-Alpha-1, EEF1A-1, EEF1A, LENG7, EF-Tu, EF1A, Eukaryotic Translation Elongation Factor 1 Alpha 1-Like 14, Glucocorticoid Receptor AF-1 Specific Elongation Factor, Translation Elongation Factor 1 Alpha 1-Like 14, Epididymis Secretory Sperm Binding Protein, Elongation Factor 1 Alpha Subunit, Prostate Tumor-Inducing Protein 1, Cervical Cancer Suppressor 3, CTCL Tumor Antigen, EF1a-Like Protein, HNGC:16303, GRAF-1EF, CCS-3, EE1A1, EEF-1, CCS3, PTI1,EEF1A1 (Eukaryotic Translation Elongation Factor 1 Alpha 1) protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. With PARP1 and TXK, forms a complex that acts as a T helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen in 66 % of patients with Felty syndrome. Anti-EEF1A1 is useful for researchers interested in Eukaryotic Translation Elongation Factor 1 Alpha-1-Like 14, Cervical Cancer, and the Innate Immune system.
Gene ID:	1915
NCBI Accession:	NP_001393
UniProt:	P68104

Application Details

Application Notes:	ELISA_Dilution: 1:10,000 - 1:50,000 Immunohistochemistry_Dilution: 1:100 Western_Blot_Dilution: 5 µg/mL
Comment:	Anti-EEF1A1 Antibody has been tested in Western Blot and IHC. Expect a band at ~48-50 kDa in western blot using appropriate tissues and lysates. Positive control used: MCF-7 nuclear extract lysate in western blot and human kidney 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
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