Datasheet for ABIN359486

anti-EIF4A1 antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	EIF4A1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide peptide between 1~30 amino acids from the N-terminal region of Human EIF4A1. Genename: EIF4A1
Isotype:	Ig Fraction
Specificity:	This antibody detects EIF4A1 at N-term.
Cross-Reactivity (Details):	Species reactivity (expected):Bovine, Mouse, Monkey. Species reactivity (tested):Human.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	EIF4A1

Target Details

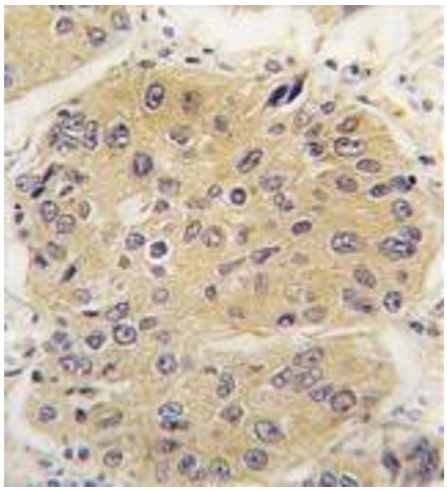
Alternative Name:	EIF4A1 (EIF4A1 Products)
Background:	EIF4A1 is an ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.Synonyms: ATP-dependent RNA helicase eIF4A-1, DDX2A, EIF4A, Eukaryotic initiation factor 4A-I, eIF-4A-I, eIF4A-I
Molecular Weight:	46154 Da (Calculated)
Gene ID:	1973, 9606
UniProt:	P60842

Application Details

Application Notes:	ELISA: 1/1,000. Western blot: 1/50-1/100. Immunohistochemistry on Paraffin Sections: 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

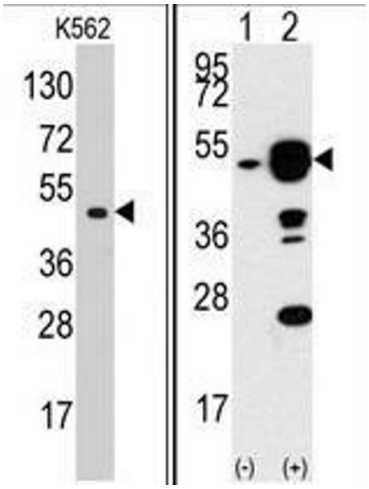
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (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.
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.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-Fixed, Paraffin-Eembedded Human lung carcinoma tissue stained with EIF4A1 Antibody (N-term),which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Left: Western blot analysis of EIF4A1 Antibody (N-term) in K562 cell line lysates (35 µg/lane). EIF4A1 (arrow) was detected using the purified antibody. **Right:** Western blot analysis of EIF4A1 (arrow) using EIF4A1 Antibody (N-term). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the EIF4A1 gene (Lane 2) (Origene Technologies).