

Datasheet for ABIN3043426
anti-EIF4A2 antibody (N-Term)

4 Images

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Overview

Quantity:	100 µg
Target:	EIF4A2
Binding Specificity:	AA 5-31, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Eukaryotic initiation factor 4A-II(EIF4A2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human eIF4A2 (5-31aa SADYNREHGGPEGMDPDGVIESNWNIEI), identical to the related mouse and rat sequences.
Sequence:	SADYNREHGG PEGMDPDGVI ESNWNIEI
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Eukaryotic initiation factor 4A-II(EIF4A2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: eukaryotic translation initiation factor 4A2</p> <p>Protein Name: Eukaryotic initiation factor 4A-II</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	EIF4A2
Alternative Name:	EIF4A2 (EIF4A2 Products)
Background:	<p>Eukaryotic initiation factor 4A-II is a protein that in humans is encoded by the EIF4A2 gene. It is mapped to 18p11.2. Eukaryotic initiation factor 4A plays an important role in the binding of mRNA to the 43S preinitiation complex when protein synthesis begins. Two highly homologous forms of functional EIF4A genes, Eif4a1 and Eif4a2, have been isolated in mice, yeast cells also possess 2 EIF4A genes, TIF1 and TIF2. The murine Eif4a and yeast TIF genes appear to belong to a DEAD-box gene family, whose members exhibit extensive amino acid similarity and contain the asp-glu-ala-asp (DEAD) sequence. DEAD-box genes have been identified in species ranging from E-coli to humans. Their function appears to be related to transcriptional/translational regulation.</p> <p>Synonyms: ATP dependent RNA helicase eIF4A 2 antibody ATP-dependent RNA helicase eIF4A-2 antibody BM-010 antibody DDX2B antibody eIF 4A II antibody eIF-4A-II antibody EIF4A antibody eIF4A II antibody eIF4A-II antibody EIF4A2 antibody EIF4F antibody Eukaryotic initiation factor 4A II antibody Eukaryotic initiation factor 4A-II antibody eukaryotic translation initiation factor 4A isoform 2 antibody Eukaryotic translation initiation factor 4A2 antibody IF4A2_HUMAN antibody N-terminally processed antibody</p>
Gene ID:	1974
UniProt:	Q14240

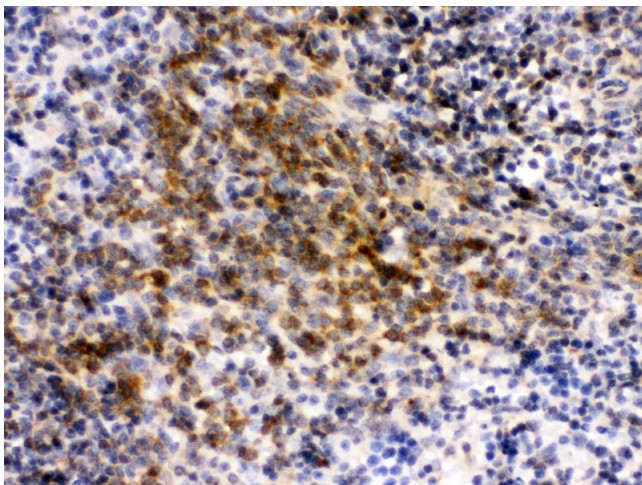
Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

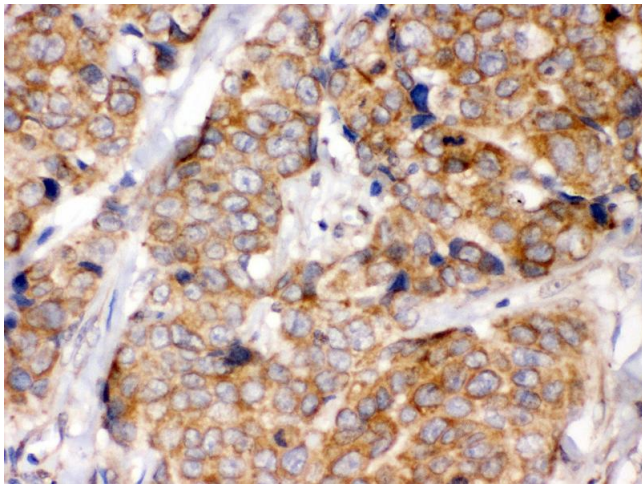
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



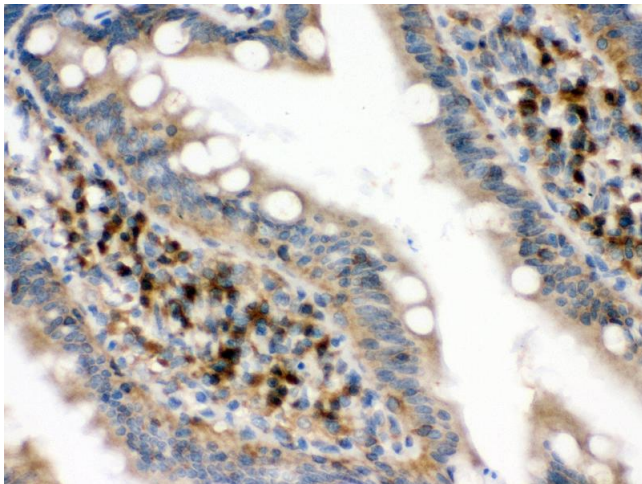
Immunohistochemistry

Image 1. Anti- eIF4A2 Picoband antibody, IHC(P) IHC(P):
Mouse Spleen Tissue



Immunohistochemistry

Image 2. Anti- eIF4A2 Picoband antibody, IHC(P) IHC(P):
Human Mammary Cancer Tissue



Immunohistochemistry

Image 3. Anti- eIF4A2 Picoband antibody, IHC(P) IHC(P): Rat
Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043426.