

eIF4A2 Polyclonal Antibody | anti-eIF4A2 antibody

Anti-eIF4A2 Antibody

CATALOG # AAA46462	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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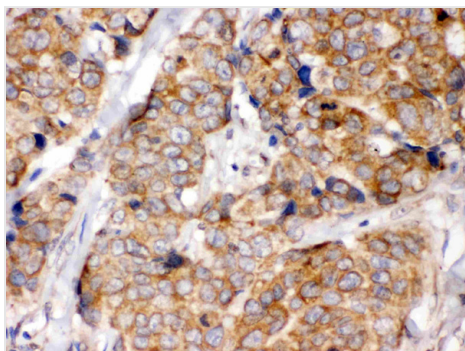
PRODUCT SYNONYMS

eIF4A2; Polyclonal Antibody; Anti-eIF4A2 Antibody; Eukaryotic initiation factor 4A-II; ATP dependent RNA helicase eIF4A 2; ATP-dependent RNA helicase eIF4A-2; BM-010; DDX2B; eIF 4A II; eIF-4A-II; EIF4A; eIF4A II; eIF4A-II; EIF4A2; EIF4F; Eukaryotic initiation factor 4A II; eukaryotic translation initiation factor 4A isoform 2; Eukaryotic translation initiation factor 4A2; IF4A2_HUMAN; N-terminally processed; eukaryotic translation initiation factor 4A2; anti-EIF4A2 antibody

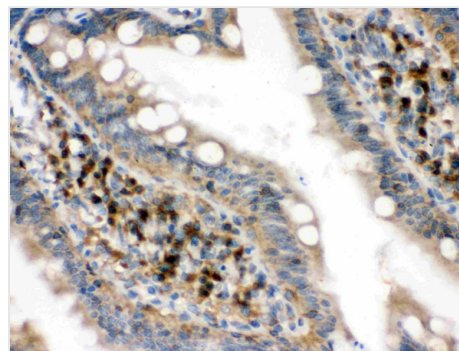
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	407
Applicable Applications for anti-eIF4A2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human eIF4A2 (5-31aa SADYNREHGGPEGMDPDGVIESNWNEL), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

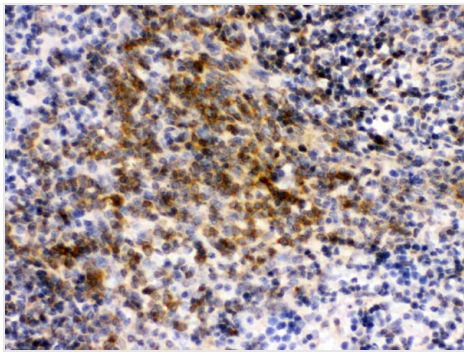
IMAGES



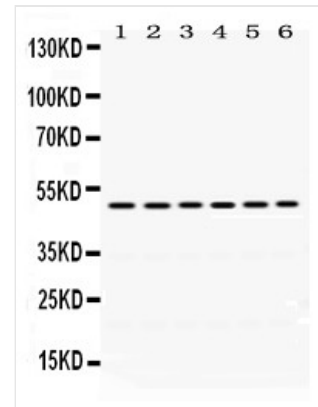
IHC (Immunohistochemistry)
Anti- eIF4A2 Picoband antibody, AAA46462, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- eIF4A2 Picoband antibody, AAA46462, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- eIF4A2 Picoband antibody, AAA46462, IHC(P)IHC(P): Mouse Spleen Tissue



WB (Western Blot)
Anti- eIF4A2 Picoband antibody, AAA46462, Western blottingAll lanes: Anti eIF4A2 (AAA46462) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Thymus Tissue Lysate at 50ugLane 3: Rat Kidney Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: SGC Whole Cell Lysate at 40ugLane 6: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 49KDObserved bind size: 49KD

ADDITIONAL INFORMATION

Related Product Information for anti-eIF4A2 antibody	Description: Rabbit IgG polyclonal antibody for Eukaryotic initiation factor 4A-II(EIF4A2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: 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.
References	1. "Entrez Gene: EIF4A2 eukaryotic translation initiation factor 4A, isoform 2". 2. Meijer, H. A., Kong, Y. W., Lu, W. T., Wilczynska, A., Spriggs, R. V., Robinson, S. W., Godfrey, J. D., Willis, A. E., Bushell, M. Translational repression and eIF4A2 activity are critical for microRNA-mediated gene regulation. Science 340: 82-85, 2013. 3. Sudo K, Takahashi E, Nakamura Y (Jan 1996). "Isolation and mapping of the human EIF4A2 gene homologous to the murine protein synthesis initiation factor 4A-II gene Eif4a2". Cytogenet Cell Genet 71 (4): 385-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83700235
NCBI GeneID	1974
NCBI Accession #	NP_001958.2
NCBI GenBank Nucleotide #	NM_001967.3
UniProt Accession #	Q14240; Q53XJ6; Q96B90; Q96EA8; D3DNU9
Molecular Weight	46,489 Da
NCBI Official Full Name	eukaryotic initiation factor 4A-II
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4A2
NCBI Official Symbol	EIF4A2
NCBI Official Synonym Symbols	DDX2B; EIF4A; EIF4F; BM-010; eIF4A-II; eIF-4A-II
NCBI Protein Information	eukaryotic initiation factor 4A-II
UniProt Protein Name	Eukaryotic initiation factor 4A-II

UniProt Gene Name	EIF4A2
UniProt Synonym Gene Names	DDX2B; EIF4F; eIF-4A-II; eIF4A-II
UniProt Entry Name	IF4A2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif4a2-antibody-immunohistochemistry-western-blot-elisa/46462>