

Rabbit EIF4A2 Polyclonal Antibody | anti-EIF4A2 antibody

EIF4A2 Antibody (C-term)

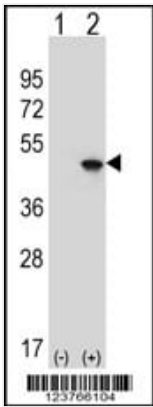
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284556	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rabbit, Chicken, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

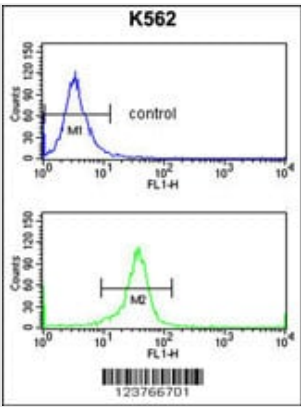
EIF4A2; Polyclonal Antibody; EIF4A2 Antibody (C-term); Eukaryotic initiation factor 4A-II; eIF-4A-II; eIF4A-II; ATP-dependent RNA helicase eIF4A-2; DDX2B; EIF4F; anti-EIF4A2 antibody

PRODUCT SPECIFICATIONS

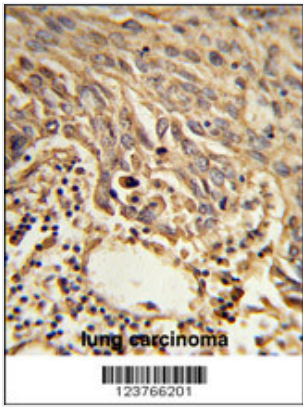
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rabbit, Chicken, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EIF4A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 333-360 amino acids from the C-terminal region of human EIF4A2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	333-360
Sequence Length	407
Applicable Applications for anti-EIF4A2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



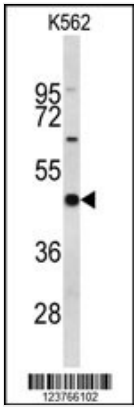
WB (Western Blot)
Western blot analysis of EIF4A2 (arrow) using rabbit polyclonal EIF4A2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the EIF4A2 gene.



FCM/FACS (Flow Cytometry)
EIF4A2 Antibody (C-term) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with EIF4A2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of EIF4A2 Antibody (C-term) in K562 cell line lysates (35ug/lane). EIF4A2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4A2 antibody	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 (referenced from OMIM).
References	Martins-de-Souza,D., et.al., J Neural Transm 116 (3), 275-289 (2009) Lin,C.J., et.al., Cancer Res. 68 (13), 5326-5334 (2008)

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	46402
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://www.aaabiotech.com/polyclonal/eif4a2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284556>