

Rabbit eIF4A2 Polyclonal Antibody | anti-eIF4A2 antibody

eIF4A2 Antibody

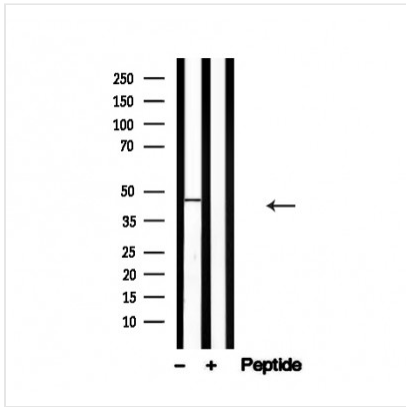
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329527	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)	ELISA, Western Blot

PRODUCT SYNONYMS

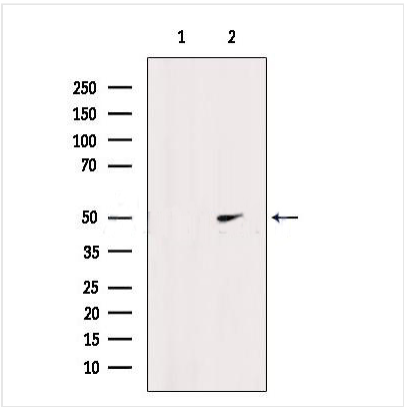
eIF4A2; Polyclonal Antibody; eIF4A2 Antibody; ATP dependent RNA helicase eIF4A 2; ATP-dependent RNA helicase eIF4A-2; BM-010; DDX2B; eIF 4A II; eIF-4A-II; EIF4A; eIF4A II; eIF4A-II; EIF4A2; EIF4F; Eukaryotic initiation factor 4A II; Eukaryotic initiation factor 4A-II; eukaryotic translation initiation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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	eIF4A2 Antibody detects endogenous levels of total eIF4A2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-eIF4A2 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human eIF4A2, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	eIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIFFG3 (By similarity). Interacts with EIF4E. May interact with NOM1. (Microbial infection) Interacts with herpes simplex virus 1/HHV-1 protein Vhs.
Similarity	Belongs to the DEAD box helicase family. eIF4A subfamily.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of eIF4A2 in lysates of Mouse Brain , using eIF4A2 Antibody(AF4673).



WB (Western Blot)
Western blot analysis of extracts from EC304 cells, using eIF4A2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-eIF4A2 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45645183
NCBI GeneID	1974
UniProt Accession #	Q14240; Q53XJ6; Q96B90; Q96EA8; D3DNU9
Molecular Weight	407
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; ATP-dependent RNA helicase eIF4A-2
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.