

Mouse EIF4A2 (Eukaryotic Initiation Factor 4A-II) Monoclonal Antibody | anti-EIF4A2 antibody

EIF4A2 (Eukaryotic Initiation Factor 4A-II) Mouse Monoclonal Antibody [Clone PCRP-EIF4A2-2B5]

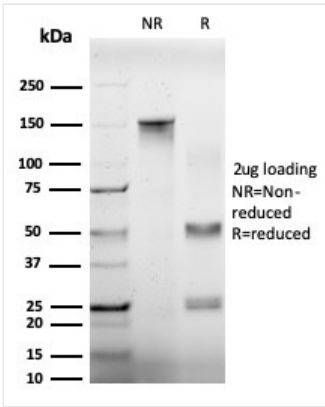
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215612	Mouse	Human Predicted to work in Chick, Mouse, Rat, Xenopus and Zebrafish.	ELISA

PRODUCT SYNONYMS

EIF4A2 (Eukaryotic Initiation Factor 4A-II); Monoclonal Antibody; EIF4A2 (Eukaryotic Initiation Factor 4A-II) Mouse Monoclonal Antibody [Clone PCRP-EIF4A2-2B5]; ATP dependent RNA helicase eIF4A 2; BM-010; DDX2B; EIF4F; eukaryotic translation initiation factor 4A isoform 2; N-terminally processed; anti-EIF4A2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to work in Chick, Mouse, Rat, Xenopus and Zebrafish.
Clonality	Monoclonal
Isotype	Mouse/IgG2a
Clone Number	PCRP-EIF4A2-2B5
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-EIF4A2 antibody	ELISA
Immunogen	Recombinant full-length human EIF4A2 protein
Cellular Localization	Nucleus
Positive Control	HeLa cells.
Hu-chromosome Location	3q27.3
Unigene	518475 & 599481
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.



SDS-PAGE
SDS-PAGE Analysis Purified EIF4A2 Mouse Monoclonal Antibody (PCRP-EIF4A2-2B5).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4A2 antibody	Translation initiation in eukaryotes necessitates the assembly of an 80S ribosomal complex. Eukaryotic initiation factors (eIFs) are utilized in a sequence of reactions that leads to 80S ribosomal assembly and initiation of translation. Mammalian eukaryotic translation initiation factor 4F (eIF4F) is a protein complex that contains eIF4A, eIF4E and eIF4G, binds mRNA at a5'-cap motif and recruits the 43S ribosomal preinitiation complex to the eligible transcript. Along with eIF4B, the eIF4F complex mediates the unwinding of mRNA secondary structure to facilitate ribosome association. eIF4E specifically interacts with the 5' cap, eIF4A (I, II) are bidirectional RNA helicases, and eIF4G (I, II) are scaffolding proteins which coordinate eIF4E, eIF4A, eIF3and the 40S ribosome. Human eIF4AII (eIF4A, DDX2A) is a 406 amino acid protein that is 92. 7% homologous to mouse eIF4AII. The promoter region of human eIF4A1 contains TATA and CAAT motifs and consensus binding sites to Sp1 and AP2.
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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.