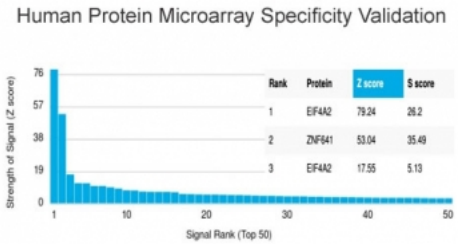
EIF4A2 Antibody [clone PCRP-EIF4A2-2B5] (V9191)

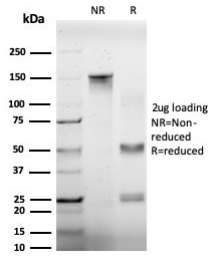
Catalog No.	Formulation	Size
V9191-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9191-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9191SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-EIF4A2-2B5
Purity	Protein A/G affinity
UniProt	Q14240
Localization	Cytoplasm
Applications	ELISA (order BSA-free Format For Coating) :
Limitations	This EIF4A2 antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using EIF4A2 antibody (clone PCRP-EIF4A2-2B5). These results demonstrate the foremost specificity of the PCRP-EIF4A2-2B5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free EIF4A2 antibody (clone PCRP-EIF4A2-2B5) as confirmation of integrity and purity.

Description

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, eIF4A (I, II) are bidirectional RNA helicases, and eIF4G (I, II) are scaffolding proteins which coordinate eIF4E, eIF4A, eIF3and the 40S ribosome. Human eIF4AI (eIF4A, DDX2A) is a 406 amino acid protein that is 92.7% homologous to mouse eIF4AI. The promoter region of human eIF4A1 contains TATA and CAAT motifs and consensus binding sites to Sp1 and AP2.

Application Notes

Optimal dilution of the EIF4A2 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human EIF4A2 protein was used as the immunogen for the EIF4A2 antibody.

Storage

Aliquot the EIF4A2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.