Eukaryotic initiation factor 4A-II Polyclonal Antibody

Catalog No: #42091

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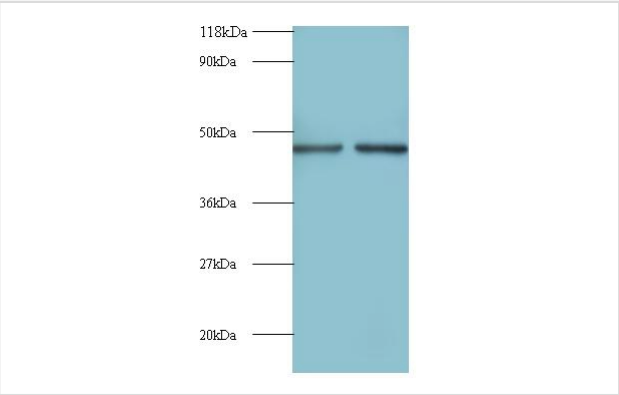
Description

Product Name	Eukaryotic initiation factor 4A-II Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Eukaryotic initiation factor 4A-II polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Eukaryotic initiation factor 4A-II protein
Target Name	Eukaryotic initiation factor 4A-II
Other Names	EIF4A2, DDX2B, EIF4F, eIF-4A-II eIF4A-II, ATP-dependent RNA helicase eIF4A-2
Accession No.	Swiss-Prot#: Q14240
Uniprot	Q14240
GeneID	1974;
Calculated MW	44.8kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:1000

Images



All lanes : Eukaryotic initiation factor 4A-II antibody at 2ug/ml
Lane 1 : EC109 whole cell lysate
Lane 2 : 293T whole cell lysate
Secondary
Goat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size : 44.8kDa
Observed band size: 44.8kDa

Background

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

[1] "Isolation and mapping of the human EIF4A2 gene homologous to the murine protein synthesis initiation factor 4A-II gene Eif4a2."Sudo K., Takahashi E., Nakamura Y.Cytogenet. Cell Genet. 71:385-388(1995) [2] "Cloning of human full-length CDSs in BD Cr

Note: This product is for in vitro research use only