

## EIF4A1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IF

**Recommended Dilution:**WB 1:500 - 1:2000 IF 1:20 - 1:50

**Calculated MW:**46kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human EIF4A1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

DDX2A; EIF4A; EIF-4A; eIF4A-I; eIF-4A-I

**Catalog #:**A5294

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1973

**Isotype:**IgG

**Swiss Prot:**P60842

**Purity:**Affinity purification

For research use only.

**Background:**

EIF4A1 is an 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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