

Product datasheet for **TA375819**

EIF4A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:1000 - 1:2000 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human EIF4A1/EIF4A2/EIF4A3.
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	eukaryotic translation initiation factor 4A1
Database Link:	Entrez Gene 1973 Human P60842

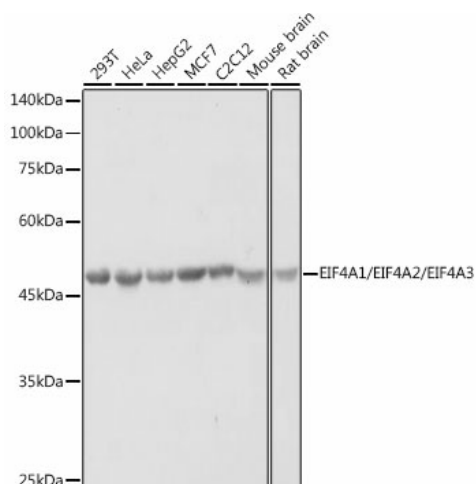
Background: ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.

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

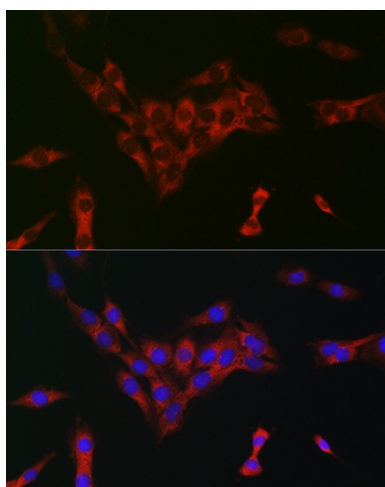


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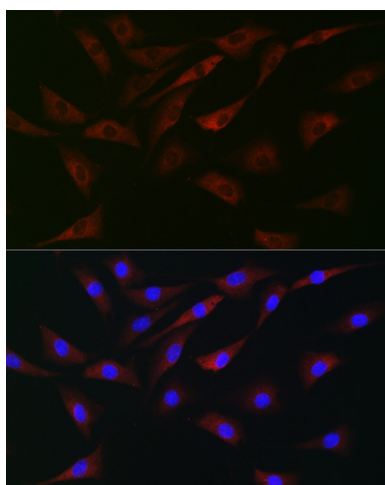
Product images:



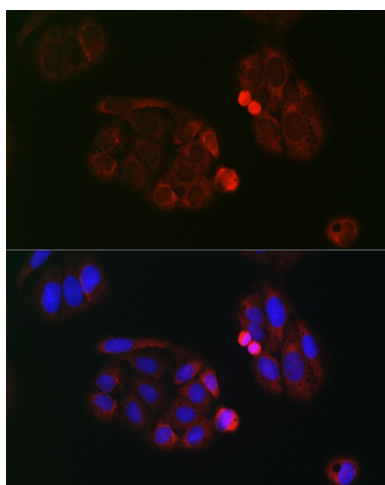
Western blot analysis of extracts of various cell lines, using EIF4A1/EIF4A2/EIF4A3 antibody (TA375819) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 1s.



Immunofluorescence analysis of C6 cells using EIF4A1/EIF4A2/EIF4A3 Rabbit pAb (TA375819) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using EIF4A1/EIF4A2/EIF4A3 Rabbit pAb (TA375819) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using EIF4A1/EIF4A2/EIF4A3 Rabbit pAb (TA375819) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.