Anti-eIF4A Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104271

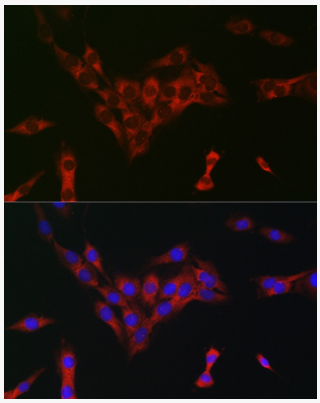
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human eIF4A (NP_001407.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-eIF4A Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

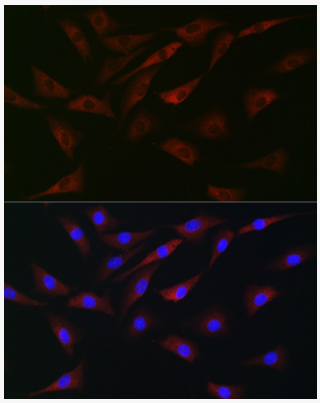
Protein Information

Synonyms	ATP dependent RNA helicase eIF4A 2; ATP-dependent RNA helicase eIF4A-2; BM-010; DDX2B; eIF 4A II; eIF-4A-II; EIF4A; eIF4A II; eIF4A-II; EIF4A2; EIF4F; Eukaryotic initiation factor 4A II; Eukaryotic initiation factor 4A-II; eukaryotic translation initiation factor 4A isoform 2; Eukaryotic translation initiation factor 4A2; IF4A2_HUMAN; N-terminally processed.
Calculated MW	Observed MW: 46 kDa
Uniprot ID	P60842, Q14240, P38919
Gene ID	1973, 1974, 9775
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.

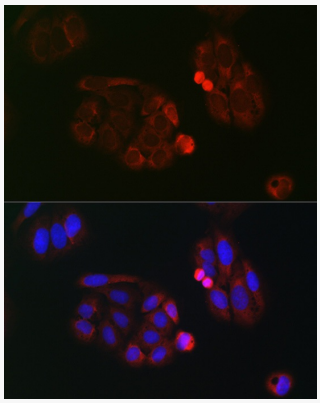
Validation Images



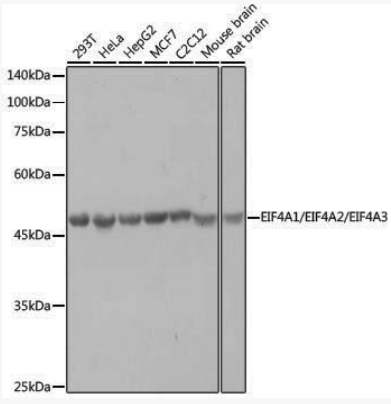
Immunofluorescence analysis of C6 cells using eIF4A Rabbit pAb (P104271) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using eIF4A Rabbit pAb (P104271) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using eIF4A Rabbit pAb (P104271) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using eIF4A Rabbit pAb (P104271) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.