Anti-eIF4A1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106219

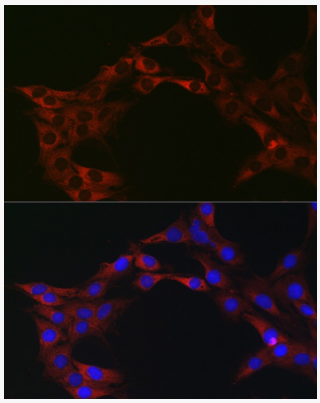
Product Information

Application	WB, IF (Cell)/ICC, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1000~1:5000; IF 1:50~1:200; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human eIF4A1 (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-eIF4A1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

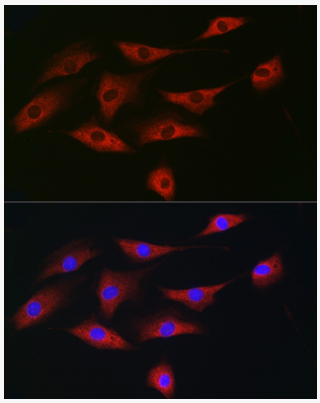
Protein Information

Synonyms	DDX2A; EIF4A; EIF-4A; eIF4A-I; eIF-4A-I; eIF4A1.
Calculated MW	Calculated MW: 46 kDa; Observed MW: 48 kDa
Uniprot ID	P60842
Gene ID	1973
Background	Enables double-stranded RNA binding activity. Predicted to be involved in cytoplasmic translational initiation. Located in cytoplasm.

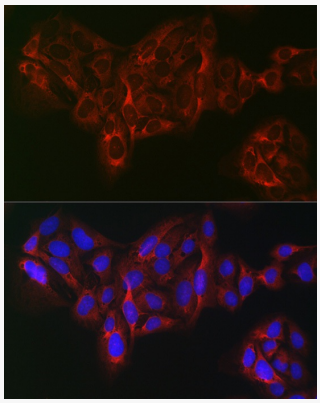
Validation Images



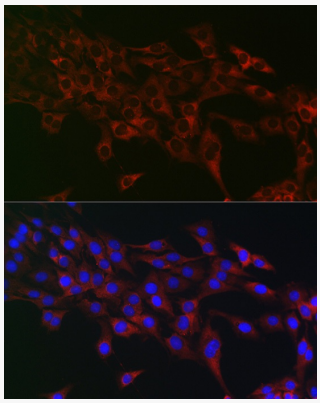
Immunofluorescence analysis of C6 cells using eIF4A1 Rabbit pAb (P106219) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



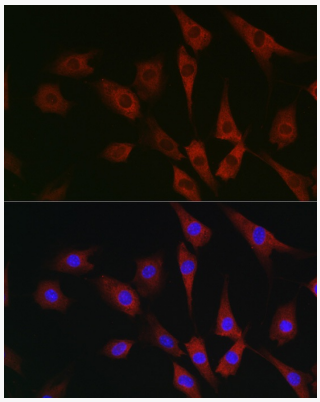
Immunofluorescence analysis of NIH/3T3 cells using eIF4A1 Rabbit pAb (P106219) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



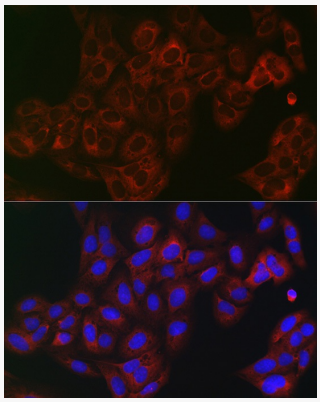
Immunofluorescence analysis of U2OS cells using eIF4A1 Rabbit pAb (P106219) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



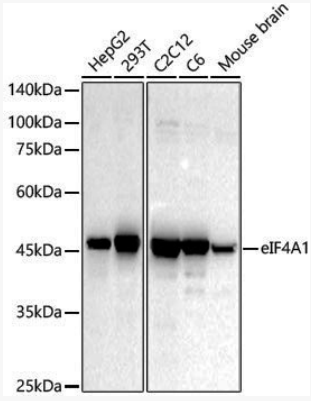
Immunofluorescence analysis of C6 cells using eIF4A1 Rabbit pAb (P106219) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



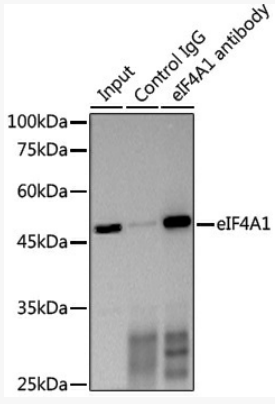
Immunofluorescence analysis of NIH/3T3 cells using eIF4A1 Rabbit pAb (P106219) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using eIF4A1 Rabbit pAb (P106219) 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 eIF4A1 Rabbit pAb (P106219) at 1:2,000 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: 30s.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg eIF4A1 antibody (P106219). Western blot was performed from the immunoprecipitate using eIF4A1 antibody (P106219) at a dilution of 1:1000.