eIF4A1 Mouse Monoclonal Antibody(M8)

Catalog	TDY164C	TDY164F
Quantity	50μL	100μL

Tel：010-82908854
Free：400-0620-621
Web：www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IF, IHC	**H, R, M**	**48KD**	**IgG1**

Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% ***sodium azide*** as Preservative and 50% Glycerol. Store at ***-20°C***. ***Do not aliquot the antibody***.

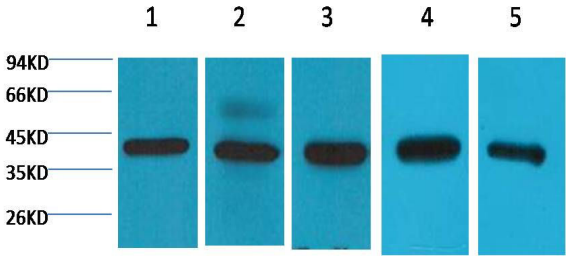
Recommended dilutions: **WB: 1:1,000-3,000 IF: 1:100-200 IHC: 1:100-200**

Optimal dilutions should be determined by the end user.

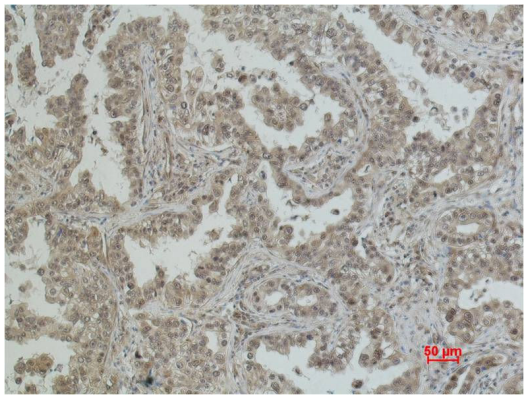
Specificity: Antibody can detects endogenous eIF4A1 protein.

Alternative Names: DDX2, eIF 4A I, Eukaryotic initiation factor 4A-1, ATP-dependent RNA helicase eIF4A-1,DDX2A

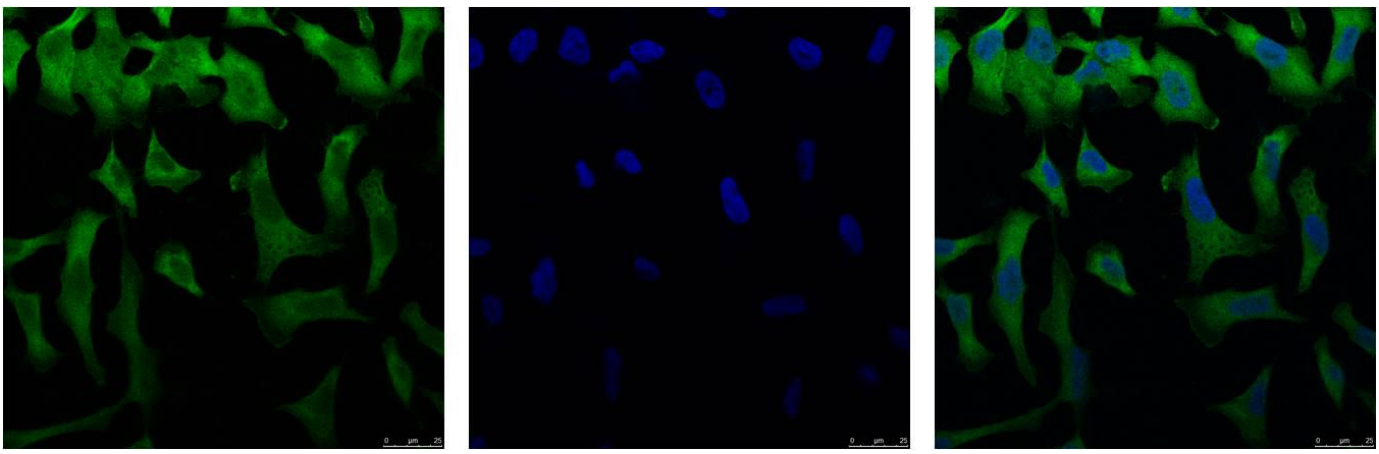
Background: The **eukaryotic initiation factor-4A** (**eIF4A**) family consists of 3 closely related proteins EIF4A1, EIF4A2, and EIF4A3. These factors are required for the binding of mRNA to 40S ribosomal subunits. Eukaryotic initiation factor (eIF) complex 2 forms a ternary complex with GTP and the initiator Met-tRNA – this process is regulated by guanine nucleotide exchange and phosphorylation and serves as the main regulatory element of the bottleneck of protein expression.



Western blot analysis of 1) 293T ,2) Hela, 3) HepG2, 4) Mouse Brain tissue, 5) Rat Brain tissue with TDY164 diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Lung Caricnoma using eIF4A1（TDY164）Mouse mAb diluted at 1:200.



IF analysis of Hela with TDY164(Left) and DAPI (Right) diluted at 1:100.

Applications: ***WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chormatin Immunoprecipitation***
Reactivity: ***H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish***