

eIF4A1 Mouse Monoclonal Antibody(M8)

Catalog No.: RA10402

Basic Information

Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	48KD

Applications

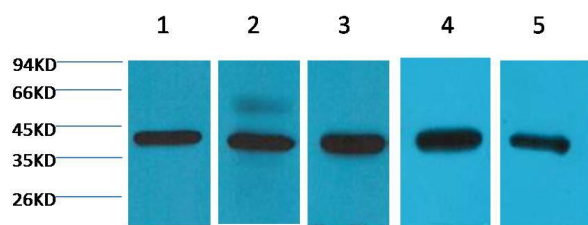
Recommended Dilution

WB	1:1,000-3,000
IHC	1:100-200
IF	1:100-200

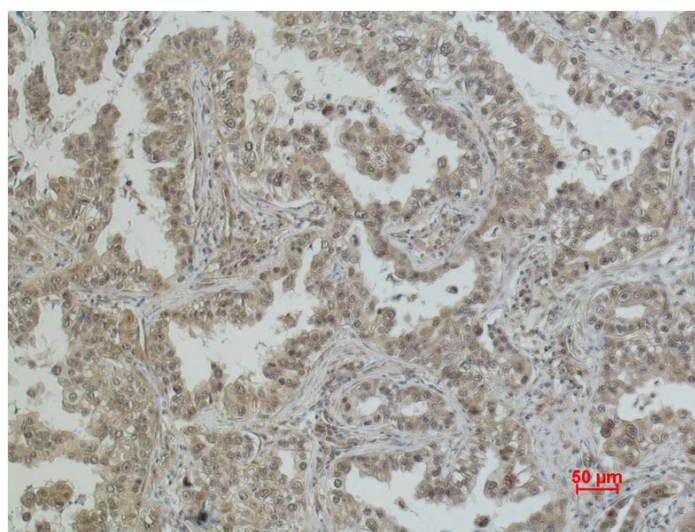
Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

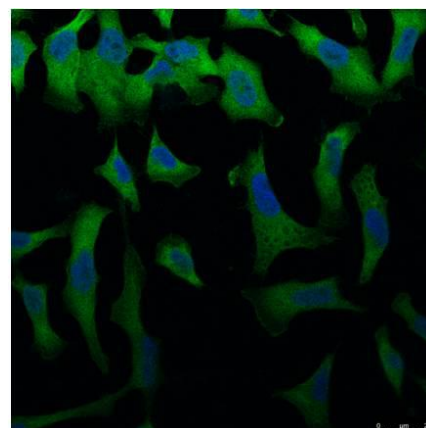
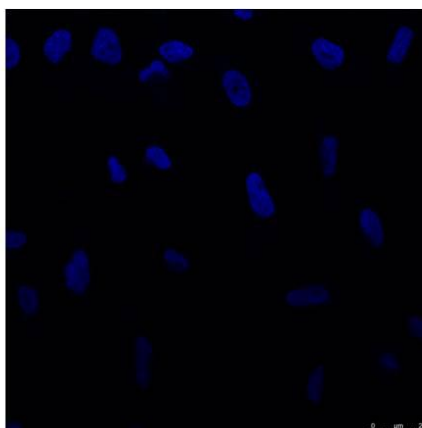
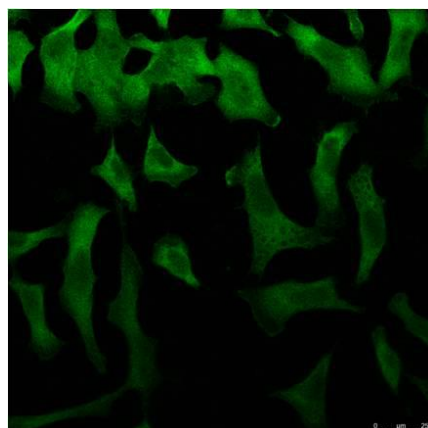
Experimental Data



Western blot analysis of 1)293T ,2)Hela, 3)HepG2, 4)Mouse Brain tissue, 5)Rat Brain tissue with eIF4A1 Mouse mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma using eIF4A1 Mouse mAb diluted at 1:200.



IF analysis of Hela with eIF4A1 Mouse Monoclonal Antibody (Left) and DAPI (Right) diluted at 1:100.

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.