

eIF4A1 Mouse Monoclonal Antibody(M8)

Catalog No: RA10402

Basic Information

Host species	Mouse
Applications	WB, IF, IHC
Species Cross-Reactivity	H, R, M
Specificity	Antibody can detects endogenous eIF4A1 protein.
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.

Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

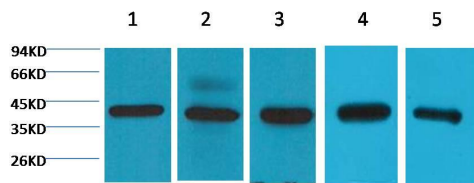
Background

Alternative Names	DDX2, eIF 4A I, Eukaryotic initiation factor 4A-1, ATP-dependent RNA helicase eIF4A-1,DDX2A
Observed band	48
Human Gene ID	1973
Human Swiss-Prot Number	P60842

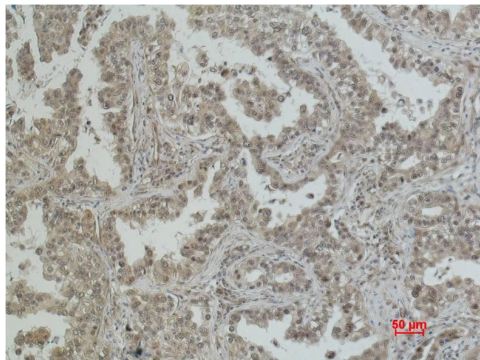
Background

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.

Selected Validation 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.