



ELK Biotechnology

eIF4A1 Mouse mAb

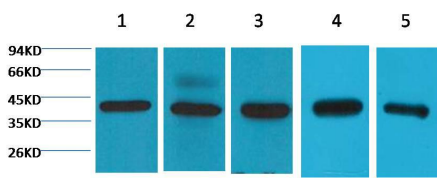
Catalog NO.: EM1136

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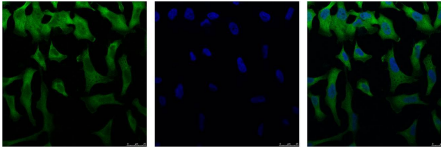
Overview

Product name	eIF4A1 Mouse Monoclonal antibody
Source	Mouse
Applications	WB IHC IF
Species reactivity	Human Rat Mouse
Recommended dilutions	WesternBlot:1/1000-3000 Immunofluorescence:1/100-200 Immunohistochemistry:1/100-200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	48kDa
GeneID (Human)	1973
Human Swiss-Prot No.	P60842
Cellular localization	CytosolExtracellular region or secreted
Alternative Names	DDX2 eIF 4A I Eukaryotic initiation factor 4A-1 ATP-dependent RNA helicase eIF4A-1DDX2A
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

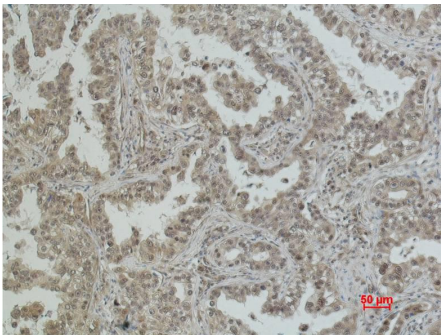
phosphorylation and serves as the main regulatory element of the bottleneck of protein expression.



Western blot analysis of) 293T 2) HeLa 3) HepG2 4) Mouse Brain tissue 5) Rat Brain tissue with EM1136 diluted at:2000.



IF analysis of HeLa with EM1136(Left) and DAPI (Right) diluted at:100.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma using eIF4A1 (EM1136) Mouse mAb diluted at:200.