EIF4A1 Monoclonal Antibody

catalog number: **E-AB-22076**

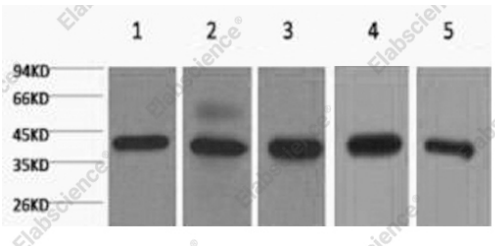
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	Mouse IgG
Clone	2B6
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:3000
IHC	1:50-1:300
IF	1:100-1:200

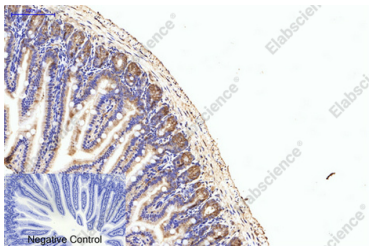
Data



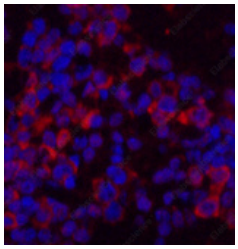
Western Blot analysis of 1) 293T, 2) Hela, 3) HepG2, 4) Mouse brain with eIF4A1 Monoclonal Antibody.

Observed-MW:48 kDa

Calculated-MW:46.2 kDa



Immunohistochemistry of paraffin-embedded Mouse colon tissue using eIF4A1 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Mouse spleen tissue using eIF4A1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

EIF4A1 is an ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.