Recombinant eIF4A2 Monoclonal Antibody

catalog number: **AN302068L**

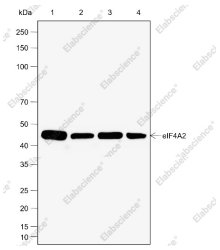
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121689
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:10000-1:20000
IHC	1:200-1:1000
IP	1:50-1:100

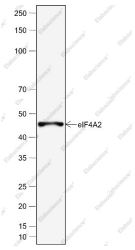
Data



Western Blot with eIF4A2 Monoclonal Antibody at dilution of 1:20000. Lane 1: 293T, Lane 2: MCF-7, Lane 3: HeLa, Lane 4: RAW264.7

Observed-MW:48 kDa

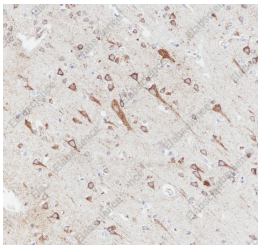
Calculated-MW:46 kDa



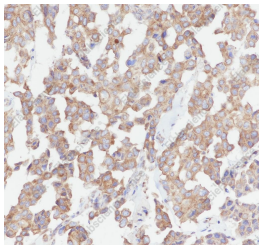
Western Blot with eIF4A2 Monoclonal Antibody at dilution of 1:20000. Lane 1: PC-12

Observed-MW:48 kDa

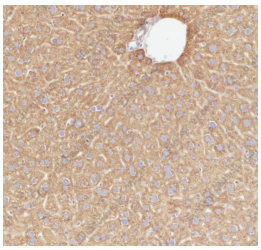
Calculated-MW:46 kDa

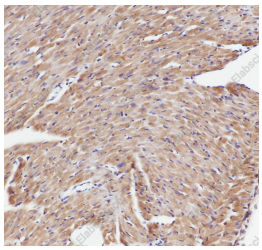


Immunohistochemistry of paraffin-embedded Human cerebrum using eIF4A2 Monoclonal Antibody at dilution of 1:1000.



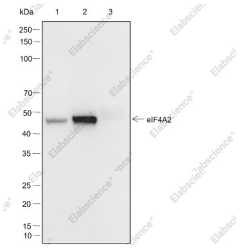
Immunohistochemistry of paraffin-embedded Human breast cancer using eIF4A2 Monoclonal Antibody at dilution of 1:1000.





Immunohistochemistry of paraffin-embedded Mouse liver using eIF4A2 Monoclonal Antibody at dilution of 1:1000.

Immunohistochemistry of paraffin-embedded Rat cardiac muscle using eIF4A2 Monoclonal Antibody at dilution of 1:1000.



Immunoprecipitation analysis using anti-eIF4A2 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using eIF4A2 Monoclonal Antibody at a dilution of 1:100. Lane 1: 5%% Input, Lane 2: eIF4A2 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:48 kDa

Calculated-MW:46 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Eukaryotic initiation factor 4A (eIF4A) has an essential role in the binding of mRNA to the 43S preinitiation complex when protein synthesisbegins, as eIF4A unwinds RNA secondary structures in the 5′-UTR of mRNAs which is necessary to allow efficient binding of the smallribosomal subunit, and subsequent scanning for the initiator codon.

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