

## EIF4B monoclonal antibody

Catalog: MB21616

Host: Mouse

Reactivity: Human, Mouse

**BackGround:**

The eukaryotic translation initiation factor 4B (eIF4B) plays a critical role in recruiting the 40S ribosomal subunit to the mRNA. It functions in close association with eIF4F and eIF4A. It binds near the 5'-terminal cap of mRNA in the presence of eIF4F and ATP. It promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both eIF4A and eIF4F

**Product:**

Purified antibody in PBS with 0.05% sodium azide

**Molecular Weight:**

80kDa

**Swiss-Prot:**

P23588

**Purification&Purity:**

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

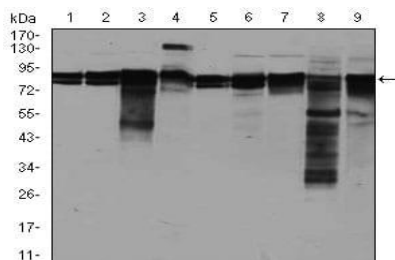
WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000  
FC:1/200 - 1/400

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

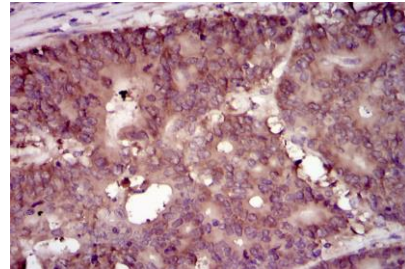
**Isotype:**

Mouse IgG2b

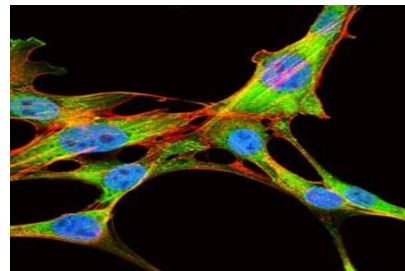
**DATA:**

Western blot analysis using EIF4B mouse mAb against A549 (1), A431

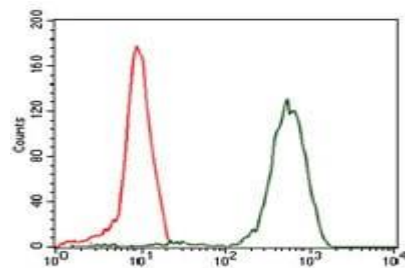
(2), HepG2 (3), HEK293 (4), HeLa (5), Jurkat (6), K562 (7), NIH3T3 (8), and MCF-7 (9) cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using EIF4B mouse mAb with DAB staining.



Immunofluorescence analysis of NIH3T3 cells using EIF4B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using EIF4B mouse mAb (green) and negative control (red).

**Note:**

For research use only, not for use in diagnostic procedure.

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