

EIF4B Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2356
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human EIF4B expressed in E. Coli.
Mol wt	80kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	EIF-4B;PRO1843

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

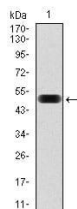
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

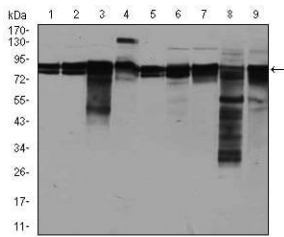
ELISA: 1:10000

Not yet tested in other applications.

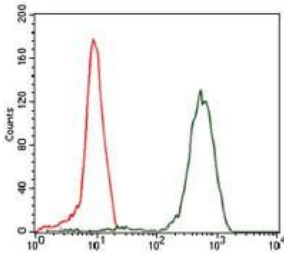
Images



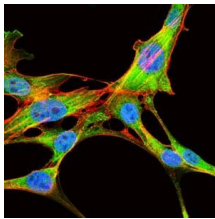
Western blot analysis using EIF4B mAb against human EIF4B (AA: 381-585) recombinant protein.
(Expected MW is 48.3 kDa)



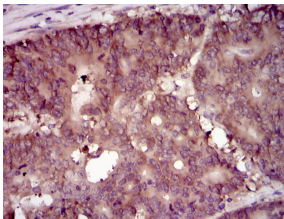
Western blot analysis using EIF4B mouse mAb against A549 (1), A431 (2), HepG2 (3), HEK293 (4), HeLa (5), Jurkat (6), K562 (7), NIH3T3 (8), and MCF-7 (9) cell lysate.



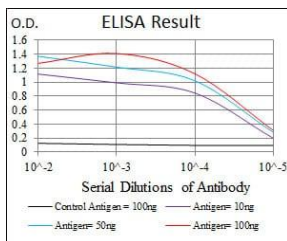
Flow cytometric analysis of HeLa cells using EIF4B mouse mAb (green) and negative control (red).



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.



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



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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