BT LAB
Bioassay Technology Laboratory
Optimize Your Research

EI2BG Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3467
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human EI2BG expressed in E. Coli.
Mol wt	50.2kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	EIF2B3;EIF-2B;EIF2Bgamma

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

Background

The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this gene have been associated with leukodystrophy with vanishing white matter. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

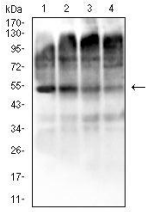
IHC-p: 1:200 - 1:1000

ICC: 1:50 - 1:200

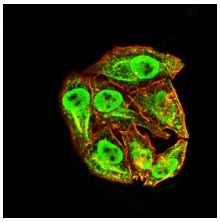
FCM: 1:200 - 1:400

Not yet tested in other applications.

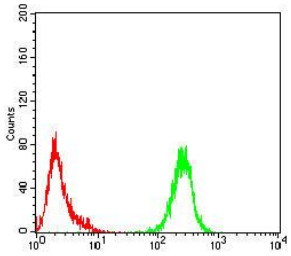
Images



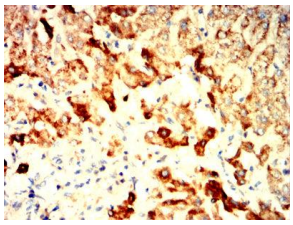
Western blot analysis using EI2BG mouse mAb against K562 (1), Hela (2),MCF-7 (3) and HL-60 (4) cell lysate.



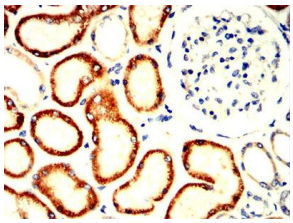
Immunofluorescence analysis of Hela cells using EI2BG mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HL-60 cells using EI2BG mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded liver tissues using EI2BG mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded kidney tissues using EI2BG mouse mAb with DAB staining.

Storage

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

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