

Summary

Production Name	EI2BG Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	EI2BG
Alternative Names	EIF2B3;EIF-2B; EIF2Bgamma
Gene ID	8891.0
SwissProt ID	Q9NR50.Purified recombinant fragment of human EI2BG expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:50-1:200,FC:1:200-1:400
Molecular Weight	50.2kDa

Background

The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of

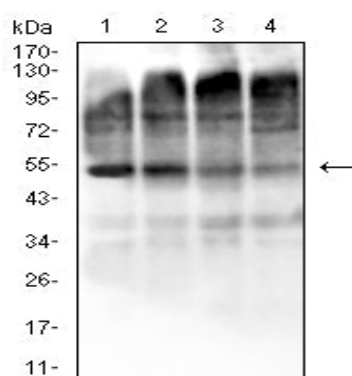
Product Name: EI2BG Mouse Monoclonal Antibody
Catalog #: AMM82933



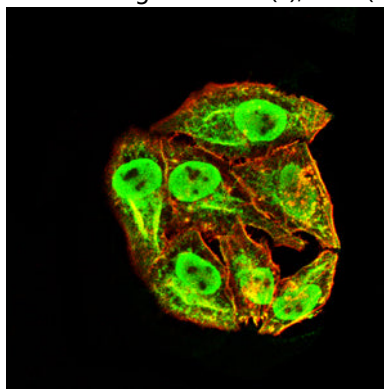
eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this gene have been associated with leukodystrophy with vanishing white matter. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Research Area

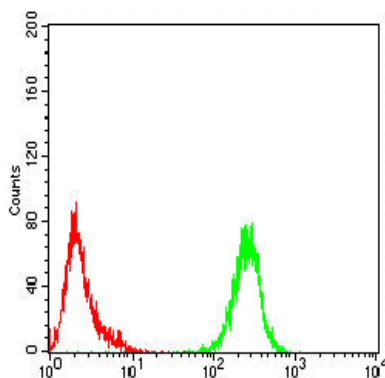
Image Data



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



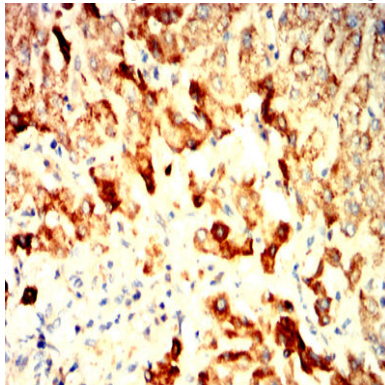
Immunofluorescence analysis of Hela cells using EI2BG mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



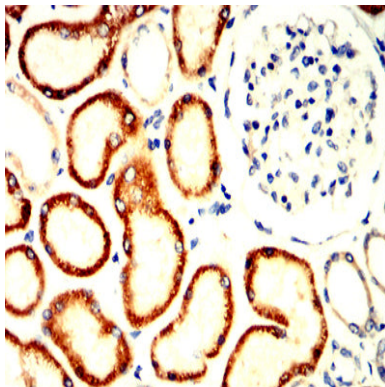
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Flow cytometric analysis of HL-60 cells using EI2BG mouse mAb (green) and negative control (red).



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



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

Note

For research use only.