

Anti-EI2BG Antibody

Catalog Number: M08134

About EIF2B3

Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.

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Overview

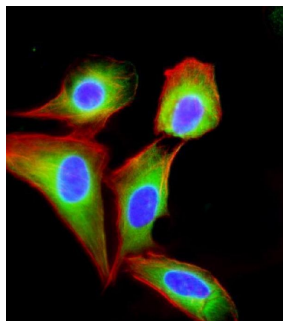
Product Name	Anti-EI2BG Antibody
Reactive Species	Human
Description	Boster Bio Anti-EI2BG Antibody (Catalog # M08134). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, WB
Clonality	Monoclonal 1778CT889.66.6.54
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9NR50

Technical Details

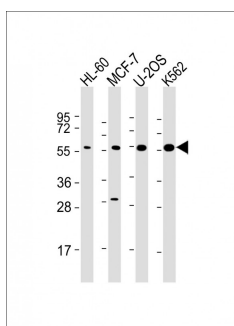
Immunogen	This EI2BG antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 110-452 amino acids from human EI2BG.
Predicted Reactive Species	Bovine, Rat
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IF: 1:25 WB: 1:2000

	FC: 1:25
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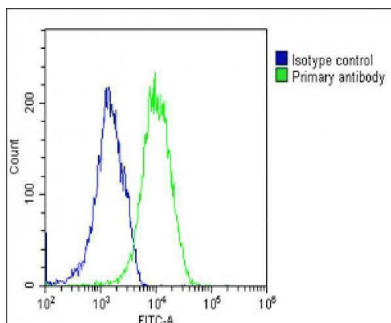
Anti-EI2BG Antibody (M08134) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling EI2BG with M08134 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Mouse IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



All lanes : Anti-EI2BG Antibody at 1:2000 dilution
Lane 1: HL-60 whole cell lysate
Lane 2: MCF-7 whole cell lysate
Lane 3: U-2OS whole cell lysate
Lane 4: K562 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa
Blocking/Dilution buffer: 5% NFD/TBST.



Overlay histogram showing U-2 OS cells stained with M08134 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M08134, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG2b (1g/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

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For Research Use Only. Not for use in diagnostic procedures.