

Datasheet for ABIN6243199
anti-EIF2B3 antibody (AA 110-452)

3 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 200 µL |
| Target: | EIF2B3 |
| Binding Specificity: | AA 110-452 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This EIF2B3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS) |

Product 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. |
| Clone: | 1778CT889-66-6-54 |
| Isotype: | IgG1 kappa |
| Purification: | This antibody is purified through a protein G column, followed by dialysis against PBS. |

Target Details

| | |
|-------------------|---|
| Target: | EIF2B3 |
| Alternative Name: | EI2BG (EIF2B3 Products) |
| Background: | Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. |

Target Details

Molecular Weight: 50240

UniProt: [Q9NR50](#)

Application Details

Application Notes: IF: 1:25. WB: 1:2000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

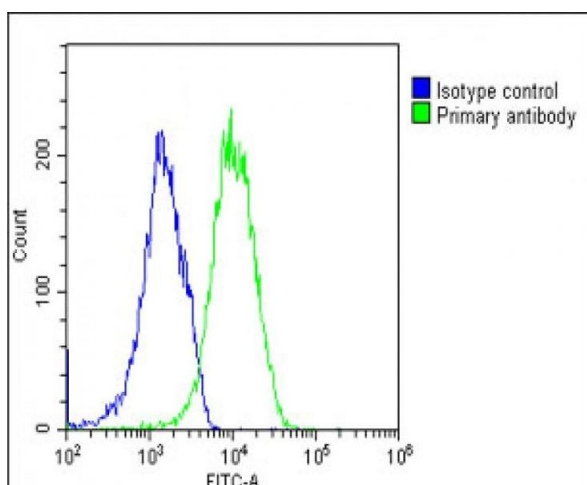
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

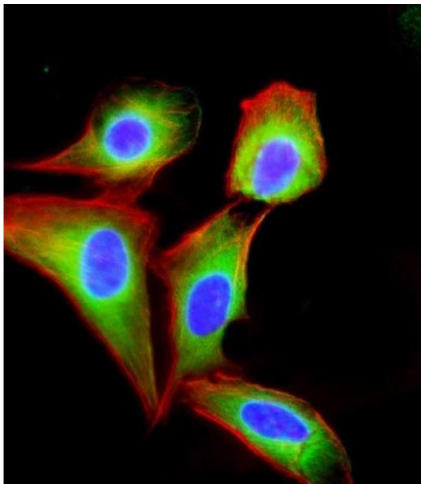
Expiry Date: 6 months

Images



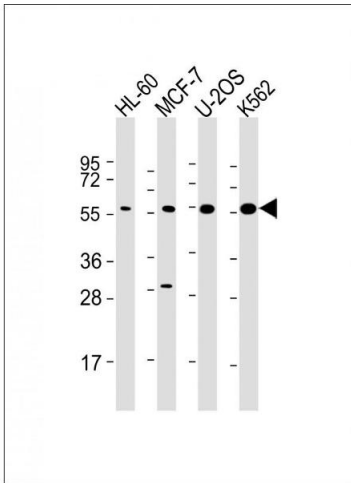
Flow Cytometry

Image 1. Overlay histogram showing U-2 OS cells stained with (ABIN6243199 and ABIN6577243)(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 ((ABIN6243199 and ABIN6577243), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(NH174309) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was mouse IgG2b (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling EI2BG with (ABIN6243199 and ABIN6577243) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Mouse IgG (174309) 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 (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).



Western Blotting

Image 3. 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 % NFDM/TBST.