

Product Name: KD-Validated EIF2B3 Mouse Monoclonal Antibody**Catalog #: KVA00571**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 50.2kDa

Antigen Information

Gene Name	EIF2B3 EIF2B3; Eukaryotic Translation Initiation Factor 2B Subunit Gamma; EIF2Bgamma; EIF-2B; Eukaryotic Translation Initiation Factor 2B, Subunit 3 Gamma, 58kDa; Translation Initiation
Alternative Names	Factor EIF2B Subunit Gamma; EIF2B GDP-GTP Exchange Factor Subunit Gamma; Eukaryotic Translation Initiation Factor 2B, Subunit 3 (Gamma, 58kD); Translation Initiation Factor EIF-2B Subunit Gamma; EIF-2B GDP-GTP Exchange Factor Subunit Gamma; VWM3
Gene ID	8891.0
SwissProt ID	Q9NR50
Immunogen	Recombinant protein of human EIF2B3

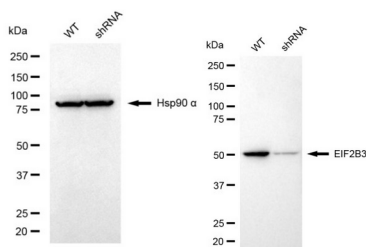
Background

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. [provided by RefSeq, Oct 2009]

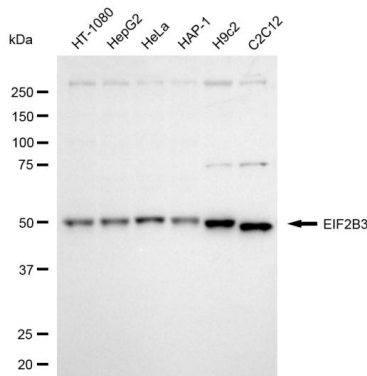
Research Area

Epigenetics and Nuclear Signaling

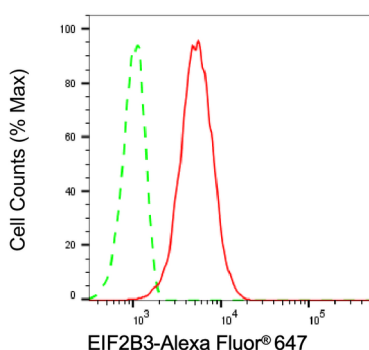
Image Data



Western blotting analysis using EIF2B3 antibody (KVA00571). EIF2B3 expression in wild type (WT) and EIF2B3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with EIF2B3 antibody (KVA00571, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using EIF2B3 antibody (KVA00571). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EIF2B3 antibody (KVA00571, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of EIF2B3 expression in C2C12 cells using EIF2B3 antibody (KVA00571, 1:1,000). Green, isotype control; red, EIF2B3.