SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-EIF2B3 antibody

Catalog Number: SL14537R

FOR RESEARCH USE ONLY

[DATASHEET]

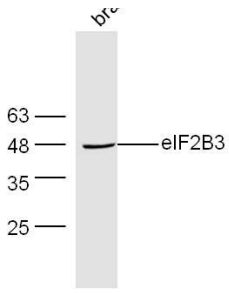
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	EIF2B3
Immunogen:	KLH conjugated synthetic peptide derived from human eIF2B3: 101-200/452
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Horse,Rabbit)
Predicted MW.:	50kDa
Subcellular Location:	cytoplasmic
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] **Function:** Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. **Subunit:** Complex of five different subunits; alpha, beta, gamma, delta and epsilon. DISEASE: Defects in EIF2B3 are a cause of leukodystrophy with vanishing white matter (VWM) [MIM:603896]. VWM is a leukodystrophy that occurs mainly in children. Neurological signs include progressive cerebellar ataxia, spasticity, inconstant optic atrophy and relatively preserved mental abilities.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	The disease is chronic-progressive with, in most individuals, additional episodes of rapid deterioration following febrile infections or minor head trauma. While childhood onset is the most common form of the disorder, some severe forms are apparent at birth. A severe, early-onset form seen among the Cree and Chippewayan populations of Quebec and Manitoba is called Cree leukoencephalopathy. Milder forms may not become evident until adolescence or adulthood. Some females with milder forms of the disease who survive to adolescence exhibit ovarian dysfunction. This variant of the disorder is called ovarioleukodystrophy. **Similarity:** Belongs to the eIF-2B gamma/epsilon subunits family. **Database links:** **Entrez Gene:** 8891 Human **Entrez Gene:** 534063 Cow **Entrez Gene:** 171145 Rat Omim: 606273 Human **SwissProt:** A5PJI7 Cow **SwissProt:** Q4R6T3 Cynomolgus Monkey **SwissProt:** Q9NR50 Human **SwissProt:** P70541 Rat **Unigene:** 533549 Human **Unigene:** 10577 Rat

[VALIDATION IMAGES]



Protein:brain(mouse) lysate at 40ug;
Primary: rabbit Anti-eIF2B3 (SL14537R) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000;
Predicted band size: 50 kD
Observed band size: 48 kD

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