SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-eIF2B1 antibody

Catalog Number: SL14535R

FOR RESEARCH USE ONLY

[DATASHEET]

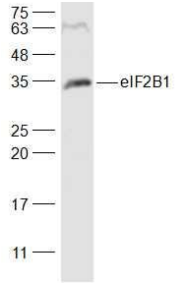
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	eIF2B1
Immunogen:	KLH conjugated synthetic peptide derived from human eIF2B1: 51-150/305
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. 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,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	34kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter. [provided by RefSeq, Oct 2009] **Function:** eIF2B1 is one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter. **Subunit:** Complex of five different subunits; alpha, beta, gamma, delta and epsilon. **Subcellular Location:** Plasma membrane DISEASE: Leukodystrophy with vanishing white matter (VWM)

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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	[MIM:603896]: A leukodystrophy that occurs mainly in children. Neurological signs include progressive cerebellar ataxia, spasticity, inconstant optic atrophy and relatively preserved mental abilities. 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. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the eIF-2B alpha/beta/delta subunits **Database links:** **Entrez Gene:** 1967 Human **Entrez Gene:** 209354 Mouse **Entrez Gene:** 64514 Rat Omim: 606686 Human **SwissProt:** Q14232 Human **SwissProt:** Q99LC8 Mouse **SwissProt:** Q64270 Rat

[VALIDATION IMAGES]



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-eIF2B1 (SL14535R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 34 kD

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