

Product Name: eIF2B δ Rabbit Polyclonal Antibody**Catalog #: APRab10367**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight	57kDa

Antigen Information

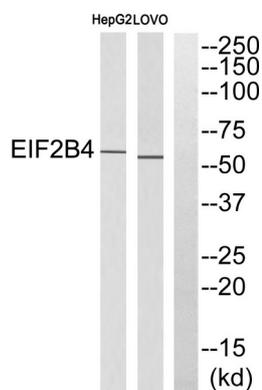
Gene Name	EIF2B4
Alternative Names	EIF2B4; EIF2BD; Translation initiation factor eIF-2B subunit delta; eIF-2B GDP-GTP exchange factor subunit delta
Gene ID	8890.0
SwissProt ID	Q9UI10
Immunogen	The antiserum was produced against synthesized peptide derived from human EIF2B4. AA range:226-275

Background

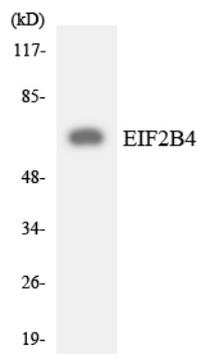
Eukaryotic initiation factor 2B (EIF2B), which is necessary for protein synthesis, is a GTP exchange factor composed of five different subunits. The protein encoded by this gene is the fourth, or delta, subunit. Defects in this gene are a cause of leukoencephalopathy with vanishing white matter (VWM) and ovarioleukodystrophy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],disease:Defects in EIF2B4 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. 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.,function:Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.,similarity:Belongs to the EIF-2B alpha/beta/delta subunits family.,subunit:Complex of five different subunits; alpha, beta, gamma, delta and epsilon.,

Research Area

Image Data



Western blot analysis of EIF2B4 Antibody. The lane on the right is blocked with the EIF2B4 peptide.



Western blot analysis of the lysates from HeLa cells using EIF2B4 antibody.

