Product Name: eIF2Bγ Rabbit Polyclonal Antibody
Catalog #: APRab10366

Summary

Production Name	eIF2Bγ Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	EIF2B3
Alternative Names	EIF2B3; Translation initiation factor eIF-2B subunit gamma; eIF-2B GDP-GTP exchange factor subunit gamma
Gene ID	8891.0
SwissProt ID	Q9NR50.Synthesized peptide derived from eIF2Bγ . at AA range: 240-320

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:5000.
Molecular Weight	50kD

Background

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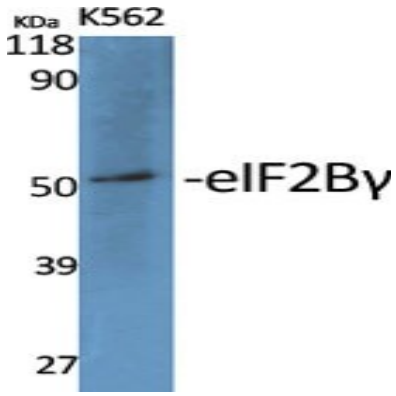
The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this 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],alternative products:Experimental confirmation may be lacking for some isoforms,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. 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 gamma/epsilon subunits family.,subunit:Complex of five different subunits; alpha, beta, gamma, delta and epsilon.,

Research Area

Image Data



Western Blot analysis of various cells using eIF2Bγ Polyclonal Antibody diluted at 1：1000

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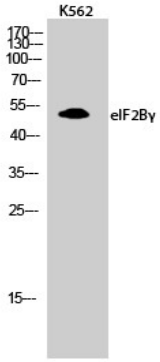

Western Blot analysis of K562 cells using eIF2Bγ Polyclonal Antibody diluted at 1： 1000

Note

For research use only.