



eIF2By Monoclonal Antibody

Catalog No	YP-mAb-03837
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	EIF2B3
Immunogen	Synthesized peptide derived from eIF2By . at AA range: 240-320
Specificity	eIF2By Monoclonal Antibody detects endogenous levels of eIF2By protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	eIF2By;EIF2B3;Translation initiation factor eIF-2B subunit gamma;eIF-2B GDP-GTP exchange factor subunit gamma
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	cytoplasm,cytosol,eukaryotic translation initiation factor 2B complex,
Tissue Specificity	Blood,Hepatoma,Lymph node,Mammary gland,
Function	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

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],

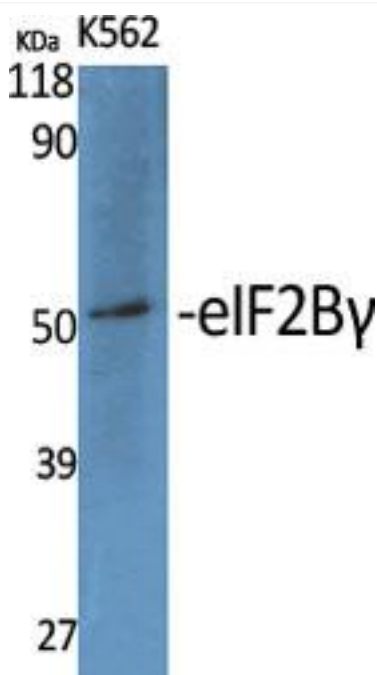
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using eIF2Bγ Monoclonal Antibody