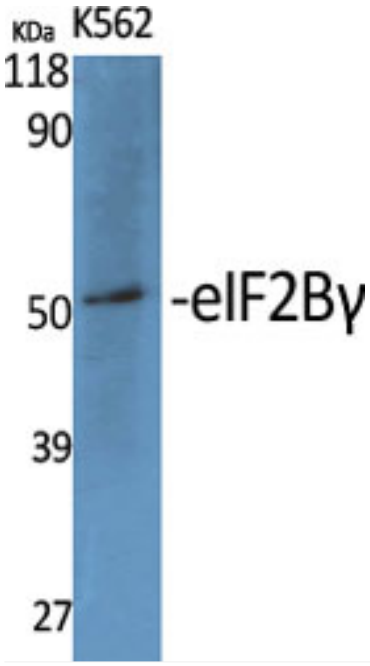
eIF2Bγ Polyclonal Antibody

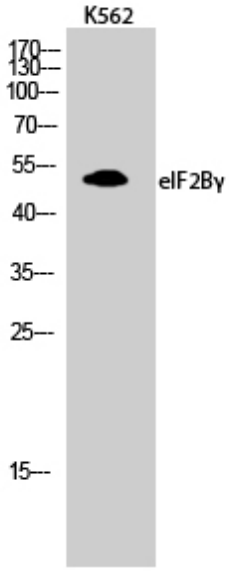
Catalog No	BYab-03837
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	EIF2B3
Protein Name	Translation initiation factor eIF-2B subunit gamma
Immunogen	Synthesized peptide derived from eIF2Bγ . at AA range: 240-320
Specificity	eIF2Bγ Polyclonal Antibody detects endogenous levels of eIF2Bγ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EIF2B3; Translation initiation factor eIF-2B subunit gamma; eIF-2B GDP-GTP exchange factor subunit gamma
Observed Band	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 Polyclonal Antibody diluted at 1:1000



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