eIF2B-ε (Phospho-Ser540) mouse mAb

Catalog No	BYmab-10503
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	EIF2B5 EIF2BE
Protein Name	eIF2B- ε (Phospho-Ser540)
Immunogen	Synthesized peptide derived from human eIF2B- ε (Phospho-Ser540)
Specificity	This antibody detects endogenous levels of eIF2B- ε (Phospho-Ser540) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.159% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Translation initiation factor eIF-2B subunit epsilon (eIF-2B GDP-GTP exchange factor subunit epsilon)
Observed Band	
Cell Pathway	nucleus,cytoplasm,cytosol,eukaryotic translation initiation factor 2B complex,
Tissue Specificity	Brain,Epithelium,Hepatocyte,Lung,Platelet,
Function	disease:Defects in EIF2B5 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
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, Nov 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.

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