Best Tools for immunology Research

eIF2B-ε (Phospho Ser540) rabbit pAb

Catalog No :	YP1732
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	eIF2B-ε
Fields :	>>Herpes simplex virus 1 infection
Gene Name :	EIF2B5 EIF2BE
Protein Name :	eIF2B-ε (Phospho-Ser540)
Human Gene Id :	8893
Human Swiss Prot No :	Q13144
Mouse Gene Id :	224045
Mouse Swiss Prot No :	Q8CHW4
Rat Gene Id :	192234
Rat Swiss Prot No :	Q64350
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, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	79kD
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],
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
Subcellular Location :	nucleus,cytoplasm,cytosol,eukaryotic translation initiation factor 2B complex,
Expression :	Brain,Epithelium,Hepatocyte,Lung,Platelet,

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