eIF2B-ε (Phospho Ser540) Rabbit pAb

CatalogNo: YP1732

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB

MW	Isotype
• 79kD (Calculated)	• IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality	Polyclonal

Immunogen Information

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.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PDsRG

Target Information

Gene name EIF2B5 EIF2BE

Protein Name eIF2B-ε (Phospho-Ser540)

Organism	Gene ID	UniProt ID
Human	8893;	Q13144;
Mouse	224045;	Q8CHW4;
Rat	192234;	Q64350;

Cellular Localization 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 ovarioleukodystrophy.,Function:Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.,similarity:Belongs to the EIF-2B gamma/epsilon subunits family.,similarity:Contains 1 W2 domain.,subunit:Complex of five different subunits; alpha, beta, gamma, delta and epsilon.,

Validation Data

Contact information

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Please scan the QR code to access additional product information: **eIF2B-ε (Phospho Ser540) Rabbit pAb**