磷酸化 eIF2B 蛋白抗体

产品货号： mlR14519

英文名称： phospho-eIF2B epsilon (Ser539)

中文名称： 磷酸化 eIF2B 蛋白抗体

别　　名： eIF2B epsilon (phospho S539); CACH; CLE; EI2BE_HUMAN; EIF 2B; eIF 2B GDP GTP exchange factor; eIF 2B GDP GTP exchange factor subunit epsilon; eIF-2B GDP-GTP exchange factor subunit epsilon; EIF2B; EIF2B5; EIF2BE; EIF2Bepsilon; Eukaryotic Translation Initiation Factor 2 Beta Epsilon; Eukaryotic Translation Initiation Factor 2 Beta Epsilon; Eukaryotic translation initiation factor 2B subunit 5 epsilon 82kDa; Eukaryotic translation initiation factor 2B subunit 5 epsilon; LVWM; Translation initiation factor eIF 2B subunit epsilon; Translation initiation factor eIF-2B subunit epsilon.

产品类型： 磷酸化抗体

研究领域： 细胞生物　神经生物学　信号转导　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 80kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： **1**mg/ml

免 疫 原： KLH conjugated Synthesised phosphopeptide derived from human EFHC1 around the phosphorylation site of Ser539:PD(p-S)R

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ˚C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20˚C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ˚C.

PubMed： PubMed

产品介绍： 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:

Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.

Tissue Specificity:

Widely expressed. Not detected in lymphocytes.

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.

Similarity:

Belongs to the eIF-2B gamma/epsilon subunits family.

Contains 1 W2 domain.

SWISS:

Q13144

Gene ID:

8893

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片