



Rabbit Anti-phospho-eIF2B epsilon (Ser539) antibody

SL14519R

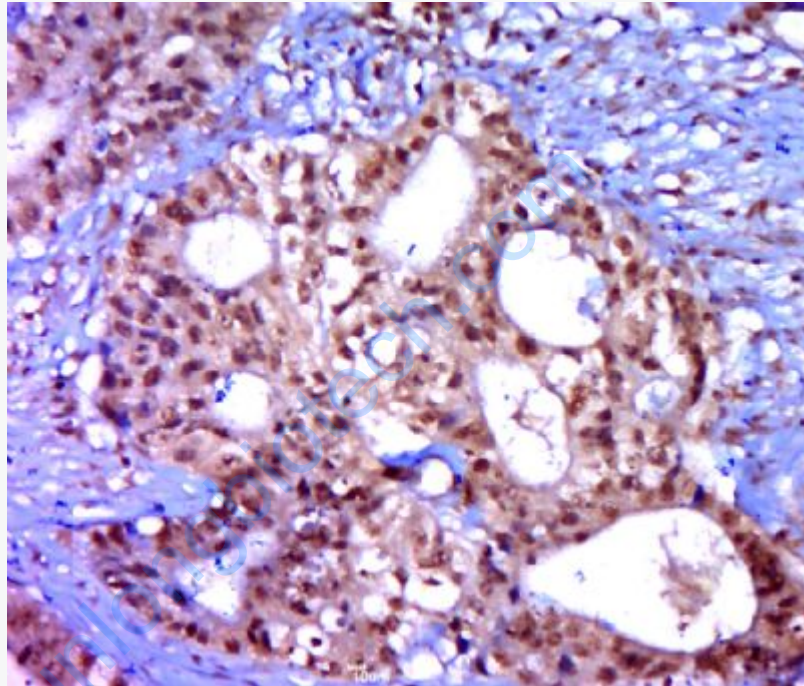
Product Name:	phospho-eIF2B epsilon (Ser539)
Chinese Name:	磷酸化eIF2B蛋白抗体
Alias:	eIF2B epsilon (phospho S539); CACH; CLE; EI2BE_HUMAN; EIF 2B; eIF 2B GDP GTP exchange factor; eIF 2B GDP GTP exchange factor subunit epsilon; eIF-2B GDP-GTP exchange factor subunit epsilon; EIF2B; EIF2B5; EIF2BE; EIF2Bepsilon; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	80kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human EFHC1 around the phosphorylation site of Ser539:PD(p-S)R
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	<p>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]</p> <p>Function: Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.</p> <p>Tissue Specificity: Widely expressed. Not detected in lymphocytes.</p> <p>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 Chippewyan 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.</p> <p>Similarity: Belongs to the eIF-2B gamma/epsilon subunits family. Contains 1 W2 domain.</p> <p>SWISS: Q13144</p> <p>Gene ID: 8893</p> <p>Database links:</p> <p>Entrez Gene: 8893 Human</p> <p>Omim: 603945 Human</p> <p>SwissProt: Q13144 Human</p>

[Unigene: 283551](#) Human

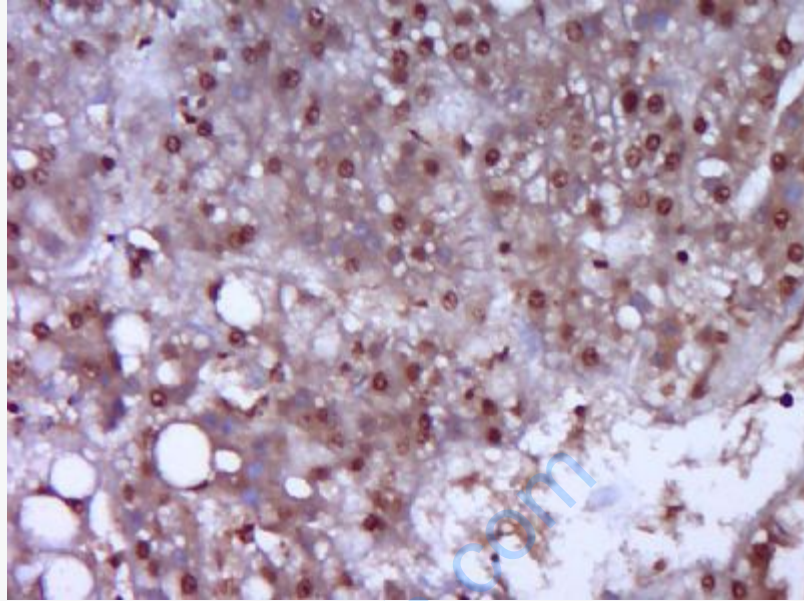
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-eIF2B epsilon (Ser539)) Polyclonal Antibody, Unconjugated (SL14519R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human liver cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-eIF2B epsilon (Ser539)) Polyclonal Antibody, Unconjugated (SL14519R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.