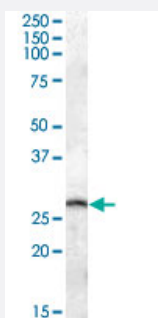


PSPH polyclonal antibody

Catalog # PAB13675 Size 100 ug

Applications



Western Blot (Tissue lysate)

PSPH polyclonal antibody (Cat # PAB13675) (0.05 ug/mL) staining of mouse brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PSPH.
Immunogen	A synthetic peptide corresponding to human PSPH.
Sequence	C-RQQVKDNAKWTDT
Host	Goat
Theoretical MW (kDa)	25
Reactivity	Human, Mouse
Specificity	Approximately 26 KDa band observed in human brain (hippocampus) and in mouse brain lysates (calculated MW of 25.0 KDa according to human NP_004568.2 and 25.1KDa according to mouse NP_598661.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:32000) Western Blot (0.05-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PSPH

Entrez GeneID	5723
Protein Accession#	NP_004568.2
Gene Name	PSPH
Gene Alias	PSP
Gene Description	phosphoserine phosphatase
Omim ID	172480
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome. [provided by RefSeq]
Other Designations	L-3-phosphoserine phosphatase O-phosphoserine phosphohydrolase OTTHUMP00000025059 PSPase

Publication Reference

- [Phosphoserine phosphatase of human brain: partial purification, characterization, regional distribution, and effect of certain modulators including psychoactive drugs.](#)

Veeranna, Shetty KT.

Neurochemical Research 1990 Dec; 15(12):1203.

Pathway

- [Glycine](#)
- [Metabolic pathways](#)