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PSK-H1 Polyclonal Antibody

Catalog # AP72066

Product Information

Application	WB, IHC-P
Primary Accession	P11801
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48035

Additional Information

Gene ID	5681
Other Names	PSKH1; Serine/threonine-protein kinase H1; Protein serine kinase H1; PSK-H1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

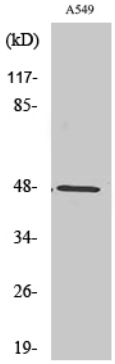
Name	PSKH1
Function	Serine/threonine protein kinase that may be involved in the regulation of pre-mRNA processing. It may phosphorylate components of nuclear splice factor compartments (SFC), such as non-snRNP splicing factors containing a serine/arginine-rich domain (SR proteins). Reversible phosphorylation of SR proteins may cause their release into the nucleoplasm and change their local concentration, thereby influencing alternative splicing.
Cellular Location	Golgi apparatus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus speckle. Endoplasmic reticulum membrane; Lipid-anchor. Cell membrane; Lipid-anchor. Cytoplasm. Note=Localized in the brefeldin A- sensitive Golgi compartment, at centrosomes, in the nucleus with a somewhat speckle-like presence, membrane-associated to the endoplasmic reticulum (ER) and the plasma membrane (PM), and more diffusely in the cytoplasm (PubMed:11087665, PubMed:14644153). Found to concentrate in splicing factor compartments (SFCs) within the nucleus of interphase cells (PubMed:11087665). The acylation-negative form may be only cytoplasmic and nuclear. Acylation seems to allow the sequestering to the intracellular membranes. Myristoylation may mediate targeting to the intracellular

	non-Golgi membranes and palmitoylation may mediate the targeting to the Golgi membranes. Dual acylation is required to stabilize the interaction with Golgi membranes
Tissue Location	Expressed in all tissues and cell lines tested with the highest level of abundance in testis

Background

May be a SFC-associated serine kinase (splicing factor compartment-associated serine kinase) with a role in intranuclear SR protein (non-snRNP splicing factors containing a serine/arginine-rich domain) trafficking and pre-mRNA processing.

Images



Western Blot analysis of various cells using PSK-H1 Polyclonal Antibody