

Rabbit anti-Human PSK-H1 Polyclonal Antibody | anti-PSK-H1 antibody

PSK-H1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322601	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSK-H1; Polyclonal Antibody; PSK-H1 Antibody; KPSH1_HUMAN; Protein serine kinase H1; PSK H1; PSKH1; Serine/threonine protein kinase H1; Serine/threonine-protein kinase H1; anti-PSK-H1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PSK-H1 antibody detects endogenous levels of total PSK-H1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	424
Applicable Applications for anti-PSK-H1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSK-H1
Subcellular Location	Golgi Apparatus. Cytoplasm > Cytoskeleton > Centrosome. Nucleus Speckle. Endoplasmic Reticulum Membrane. Cell Membrane. Cytoplasm. 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. Found to concentrate in splicing factor compartments (SFCs) within the nucleus of interphase cells. 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 Specificity	Expressed in all tissues and cell lines tested with the highest level of abundance in testis.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)
AAA322601 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PSK-H1 using A549 whole cell lysates



IF (Immunofluorescence)
AAA322601 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PSK-H1 antibody	Function: 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. Subunit Structure: Homodimer. Post-translational Modifications: Autophosphorylated on serine residues. Myristoylated. Required for membrane association. Prerequisite for palmitoylation to occur. Palmitoylated. Similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27901803
NCBI GeneID	5681
NCBI Accession #	NP_006733.1
NCBI GenBank Nucleotide #	NM_006742.2
UniProt Accession #	P11801; Q9NY19
Molecular Weight	Observed: 48 kDa Predicted: 49 kDa
NCBI Official Full Name	serine/threonine-protein kinase H1
NCBI Official Synonym Full Names	protein serine kinase H1
NCBI Official Symbol	PSKH1
NCBI Protein Information	serine/threonine-protein kinase H1
UniProt Protein Name	Serine/threonine-protein kinase H1
UniProt Gene Name	PSKH1
UniProt Synonym Gene Names	PSK-H1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

