Anti-CDK16 antibody

Description	Unconjugated Rabbit polyclonal to CDK16

Model	STJ191978
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	5127
Gene Symbol	CDK16
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CDK16 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Detected in pancreas islets (at protein level). Detected in brain and pancreas.
Purification	CDK16 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cyclin-dependent kinase 16 Cell division protein kinase 16 PCTAIRE-motif protein kinase 1 Serine/threonine-protein kinase PCTAIRE-1
Molecular Weight	54 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8749OMIM:311550
Alternative Names	Cyclin-dependent kinase 16 Cell division protein kinase 16 PCTAIRE-motif protein kinase 1 Serine/threonine-protein kinase PCTAIRE-1
Function	Protein kinase that plays a role in vesicle-mediated transport processes and exocytosis. Regulates GH1 release by brain neurons. Phosphorylates NSF, and thereby regulates NSF oligomerization. Required for normal spermatogenesis. Regulates neuron differentiation and dendrite development . Plays a role in the regulation of insulin secretion in response to changes in blood glucose levels. Can phosphorylate CCNY at 'Ser-336' (in vitro).
Cellular Localization	Cytoplasm. Cytoplasmic vesicle, secretory vesicle. Cell membrane. Peripheral membrane protein. Cytoplasmic side. Cell junction, synapse, synaptosome. Colocalizes with insulin in pancreas islets. Recruited to the cell membrane by CCNY.
Post-translational Modifications	Phosphorylation at Ser-153 inhibits kinase activity.