

KD-Validated Anti-Cyclin dependent kinase 16 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1577

Product Information

Application	WB, FC, ICC
Primary Accession	Q00536
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1495
Calculated MW	55716
Gene Name	CDK16
Aliases	CDK16; Cyclin Dependent Kinase 16; PCTAIRE1; PCTGAIRE; PCTAIRE; PCTK1; Serine/Threonine-Protein Kinase PCTAIRE-1; Cell Division Protein Kinase 16; PCTAIRE-Motif Protein Kinase; Cyclin-Dependent Kinase 16; EC 2.7.11.22; FLJ16665; Testis Secretory Sperm-Binding Protein Li 224n; Serine/Threonine-Protein Kinase; PCTAIRE Protein Kinase; EC 2.7.11
Immunogen	A synthesized peptide derived from human PCTAIRE1

Additional Information

Gene ID	5127
Other Names	Cyclin-dependent kinase 16, 2.7.11.22, Cell division protein kinase 16, PCTAIRE-motif protein kinase 1, Serine/threonine-protein kinase PCTAIRE-1, CDK16, PCTAIRE1, PCTK1

Protein Information

Name	CDK16
Synonyms	PCTAIRE1, PCTK1
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 (By similarity). 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 Location	Cytoplasm. Cytoplasmic vesicle, secretory vesicle {ECO:0000250 UniProtKB:Q63686} Cell membrane; Peripheral membrane protein; Cytoplasmic side. Synapse, synaptosome {ECO:0000250 UniProtKB:Q63686}. Note=Colocalizes with insulin in pancreas

islets. Recruited to the cell membrane by CCNY

Tissue Location

Detected in pancreas islets (at protein level). Detected in brain and pancreas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.