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PCTAIRE1 Antibody

Rabbit mAb
Catalog # AP92974

Product Information

Application	WB
Primary Accession	Q00536
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Cdk16; PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	55716

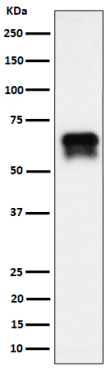
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PCTAIRE1
Description	May play a role in signal transduction cascades in terminally differentiated cells.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of PCTAIRE1 expression in BxPC-3 cell lysate.

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