

PCTAIRE1 Antibody
Rabbit mAb
Catalog # AP92974**Specification**

PCTAIRE1 Antibody - Product Information

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

PCTAIRE1 Antibody - Additional Information

Dilution	WB~~1:1000
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.

PCTAIRE1 Antibody - 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

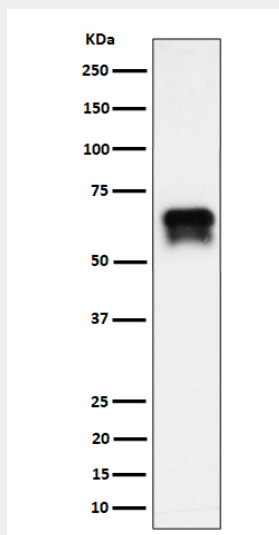
Tissue Location

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

PCTAIRE1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PCTAIRE1 Antibody - Images

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