

Anti-PCTAIRE1 Rabbit Monoclonal Antibody
Catalog # ABO16434**Specification**

Anti-PCTAIRE1 Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	Q00536
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-PCTAIRE1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-PCTAIRE1 Rabbit Monoclonal Antibody - 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

Calculated MW

60 kDa KDa

Application Details

WB 1:500-1:2000

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human PCTAIRE1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-PCTAIRE1 Rabbit Monoclonal 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

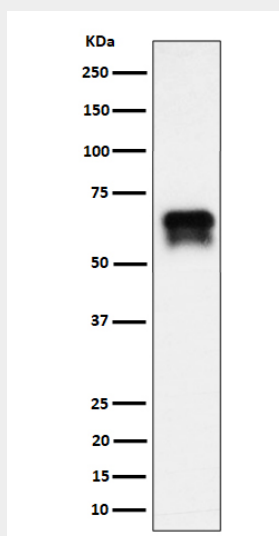
Detected in pancreas islets (at protein level). Detected in brain and pancreas.

Anti-PCTAIRE1 Rabbit Monoclonal 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](#)

Anti-PCTAIRE1 Rabbit Monoclonal Antibody - Images



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