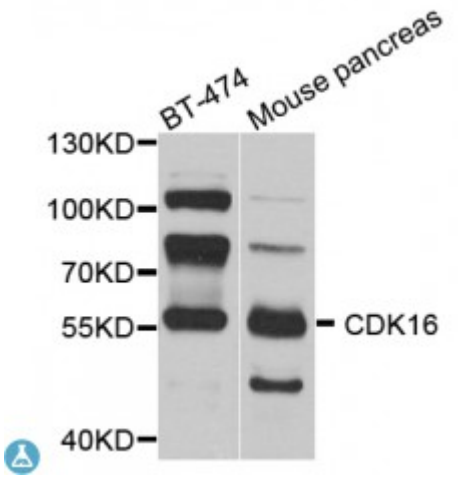
Anti-CDK16 Antibody



Description	The protein encoded by this gene belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells; in exocytosis; and in transport of secretory cargo from the endoplasmic reticulum. This gene is thought to escape X inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.

Model	STJ117850
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 277-496 of human CDK16 (NP_006192.1).
Gene ID	5127
Gene Symbol	CDK16
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Tissue Specificity	Detected in pancreas islets (at protein level), Detected in brain and pancreas
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Cyclin-dependent kinase 16
Molecular Weight	55.716 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:8749OMIM:311550
Alternative Names	Cyclin-dependent kinase 16
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
Post-translational Modifications	Phosphorylation at Ser-153 inhibits kinase activity,