Anti-CDK14 antibody

Description	Unconjugated Rabbit polyclonal to CDK14

Model	STJ191368
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	5218
Gene Symbol	CDK14
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CDK14 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Highly expressed in brain, pancreas, kidney, heart, testis and ovary. Also detected at lower levels in other tissues except in spleen and thymus where expression is barely detected.
Purification	CDK14 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cyclin-dependent kinase 14 Cell division protein kinase 14 Serine/threonine-protein kinase PFTAIRE-1 hPFTAIRE1
Molecular Weight	51 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8883OMIM:610679
Alternative Names	Cyclin-dependent kinase 14 Cell division protein kinase 14 Serine/threonine-protein kinase PFTAIRE-1 hPFTAIRE1
Function	Serine/threonine-protein kinase involved in the control of the eukaryotic cell cycle, whose activity is controlled by an associated cyclin. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by mediating the phosphorylation of LRP6 at 'Ser-1490', leading to the activation of the Wnt signaling pathway. Acts as a regulator of cell cycle progression and cell proliferation via its interaction with CCDN3. Phosphorylates RB1 in vitro, however the relevance of such result remains to be confirmed in vivo. May also play a role in meiosis, neuron differentiation and may indirectly act as a negative regulator of insulin-responsive glucose transport.
Cellular Localization	Cell membrane. Peripheral membrane protein. Cytoplasm. Nucleus. Recruited to the cell membrane by CCNY.