

Anti-CDK14 antibody



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| 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 PFTAIRES-1 hPFTAIRES1 |
| Molecular Weight | 51 kDa |
| Clonality | Polyclonal |
| Conjugation | Unconjugated |

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| 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 PFTAIRES-1 hPFTAIRES1 |
| 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 CCND3. 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. |