

Cdk14 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14749**Specification**

Cdk14 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O35495
Other Accession	NM_011074 , NP_035204
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

Cdk14 antibody - C-terminal region - Additional Information**Gene ID** 18647**Alias Symbol** **Pftk1, mKIAA0834****Other Names**

Cyclin-dependent kinase 14, 2.7.11.22, Cell division protein kinase 14, Serine/threonine-protein kinase PFTAIRES-1, Cdk14, Kiaa0834, Pftk1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Cdk14 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Cdk14 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Cdk14 antibody - C-terminal region - Protein Information**Name** Cdk14**Synonyms** Kiaa0834, Pftk1**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 (By similarity).

Cellular Location

Cell membrane; Peripheral membrane protein. Cytoplasm. Nucleus. Note=Recruited to the cell membrane by CCNY.

Tissue Location

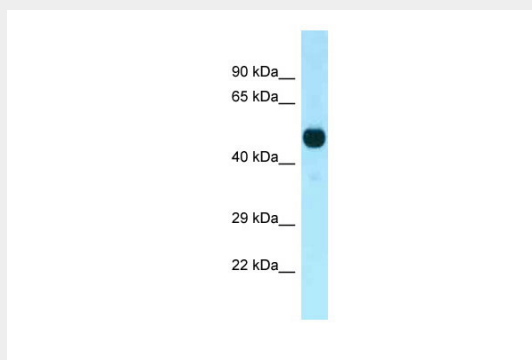
In the adult, widely expressed at low levels except in brain, kidney and testis where expression is high. In the brain, detected in cortex, hippocampus, dentate gyrus, amygdala cortex, parasubiculum and cerebellum. In the embryo, expressed predominantly in the nervous system.

Cdk14 antibody - C-terminal region - 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](#)

Cdk14 antibody - C-terminal region - Images



WB Suggested Anti-Cdk14 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas

Cdk14 antibody - C-terminal region - References

Besset V., et al. Mol. Reprod. Dev. 50:18-29(1998).
Lazzaro M.A., et al. J. Neurochem. 69:348-364(1997).
Carninci P., et al. Science 309:1559-1563(2005).
Okazaki N., et al. DNA Res. 10:167-180(2003).