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Mouse Cdk14 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19420a

Specification

Mouse Cdk14 Antibody(N-term) - Product Information

Application	**WB,E**
Primary Accession	O35495
Other Accession	NP_035204.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52996**
Antigen Region	**45-72**

Mouse Cdk14 Antibody(N-term) - Additional Information

Gene ID 18647

Other Names
Cyclin-dependent kinase 14, Cell division protein kinase 14, Serine/threonine-protein kinase PFTAIRE-1, Cdk14, Kiaa0834, Pftk1

Target/Specificity
This Mouse Cdk14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-72 amino acids from the N-terminal region of mouse Cdk14.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Cdk14 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Cdk14 Antibody(N-term) - 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.

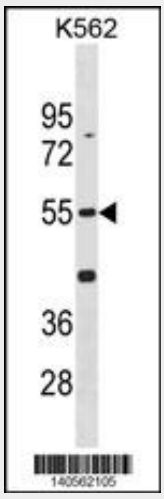
Tissue Location
In the adult, widely expressed at low levels except in brain, kidney and testis where expression is high. In the brain, detected in cortex, hippocampus, dentate gyrus, amygdala cortex, parasubiculum and cerebellum. In the embryo, expressed predominantly in the nervous system.

Mouse Cdk14 Antibody(N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Cdk14 Antibody(N-term) - Images



Mouse Cdk14 Antibody (N-term)(Cat. #AP19420a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the Mouse Cdk14 antibody detected the Mouse Cdk14 protein (arrow).

Mouse Cdk14 Antibody(N-term) - Background

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).

Mouse Cdk14 Antibody(N-term) - References

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