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# Product datasheet for TA358014

## Cdk14 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Reactivity:** | Mouse |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Specificity:** | **Expected reactivity**: Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat<br>**Homology**: Dog: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100% |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **Concentration:** | lot specific |
| **Purification:** | Affinity Purified |
| **Conjugation:** | Unconjugated |
| **Storage:** | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | 53kDa |
| **Gene Name:** | cyclin-dependent kinase 14 |
| **Database Link:** | NP_035204<br>Entrez Gene 18647 Mouse<br>O35495 |

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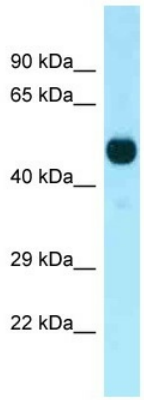
**Background:** Cdk14 is a Serine/threonine-protein kinase involved in the control of the eukaryotic cell cycle, whose activity is controlled by an associated cyclin. Cdk14 acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by mediating the phosphorylation of LRP6 at 'Ser-1490', leading to the activation of the Wnt signaling pathway. Cdk14 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. Cdk14 may also play a role in meiosis, neuron differentiation and may indirectly act as a negative regulator of insulin-responsive glucose transport.

**Synonyms:** PFTAIRE1; PFTK1

## Product images:




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