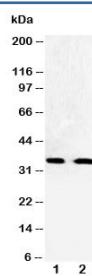


## Cdk5 Antibody (R30624)

Catalog No.	Formulation	Size
R30624	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q00535
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Cdk5 antibody is available for research use only.



Western blot testing of Cdk5 antibody and Lane 1: HeLa; 2: Jurkat cell lysate

## Description

Cyclin-Dependent Kinase 5, is also known as PSSALRE. The p34(CDC2) protein kinase regulates important transitions in the eukaryotic cell cycle. Cdk5 expression is in all human tissues and cell lines tested. The gene is mapped to chromosome 7q36. Cyclin-dependent kinase 5 is predominantly expressed in neurons where it phosphorylates both high molecular weight neurofilaments and microtubule-associated protein tau. It is required for proper development of the mammalian central nervous system. To be activated, Cdk5 must associate with its regulatory subunit, p35(CDK5R1). It can phosphorylate DARPP32 at threonine-75, converting it into an inhibitor of PKA.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Cdk5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human Cdk5 (QRISAAEALQHPYFSDFCPP) was used as the immunogen for this Cdk5 antibody (100% homologous in human, mouse and rat).

## Storage

After reconstitution, the Cdk5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.