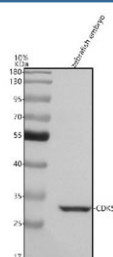


## Zebrafish Cdk5 Antibody (RZ1087)

Catalog No.	Formulation	Size
RZ1087	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	2-3 weeks
<b>Species Reactivity</b>	Zebrafish
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity chromatography
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9DE44
<b>Applications</b>	Western Blot : 0.5-1 ug/ml
<b>Limitations</b>	This Zebrafish Cdk5 antibody is available for research use only.



Western blot analysis of Cdk5 protein using Cdk5 antibody and zebrafish embryo tissue lysate. The predicted molecular weight of Cdk5 is ~33 kDa.

## Description

CDK5, Cyclin-Dependent Kinase 5, is also known as PSSALRE. The p34 (CDC2) protein kinase regulates important transitions in the eukaryotic cell cycle. The PSSALRE expression is in all human tissues and cell lines tested. The the CDK5 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. CDK5 is required for proper development of the mammalian central nervous system. To be activated, CDK5 must associate with its regulatory subunit, p35 (CDK5R1). CDK5 can phosphorylate DARPP32 at threonine-75, converting it into an inhibitor of PKA.

## Application Notes

Optimal dilution of the Zebrafish Cdk5 antibody should be determined by the researcher.

## **Immunogen**

An E.coli-derived zebrafish Cdk5 recombinant protein (amino acids M1-Q226) was used as the immunogen for the Zebrafish Cdk5 antibody.

## **Storage**

After reconstitution, the Zebrafish 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.