

## Anti-Zebrafish CDK5 Antibody Picoband® Cy3 Conjugated

Catalog Number: AZQ9DE44-Cy3

### About CDK5

CDK5, Cyclin-Dependent Kinase5, 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.

### Overview

Product Name	Anti-Zebrafish CDK5 Antibody Picoband® Cy3 Conjugated
Reactive Species	Zebrafish
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9DE44

### Technical Details

Immunogen	E.coli-derived zebrafish CDK5 recombinant protein (Position: M1-Q226).
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm

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