

## Anti-Zebrafish CDK5 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: AZQ9DE44-Fluoro550

### 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 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® Fluoro550 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     | Fluoro550<br>Excitation Wavelength: 562 nm<br>Emission Wavelength: 576 nm |

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**Anti-Zebrafish CDK5 Antibody - Fluoro550**

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