

## Anti-Zebrafish ATP5G1/2/3 Antibody Picoband® Cy3 Conjugated

Catalog Number: AZQ6IQN6-Cy3

### About ATP5MC1/ATP5MC2/ATP5MC3

The ATP5MC1 gene is one of three human paralogs that encode membrane subunit c of the mitochondrial ATP synthase. It is mapped to 17q21.32. This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding the same protein have been identified.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Zebrafish ATP5G1/2/3 Antibody Picoband® Cy3 Conjugated   |
| Reactive Species     | Zebrafish   |
| Application          | Recommended applications are based on the parent unconjugated antibody (IF, IHC, WB). Customers may select suitable applications according to their experimental needs. |
| 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           | Q6IQN6  |

### Technical Details

|               |   |
|---------------|---|
| Immunogen     | E.coli-derived zebrafish ATP5G1/2/3 recombinant protein (Position: D64-L115). |
| Form          | Liquid  |
| Concentration | 0.5 mg/mL   |
| Purification  | Immunogen affinity purified.  |
| Conjugate     | Cy3<br>Excitation Wavelength: 554 nm<br>Emission Wavelength: 568 nm           |

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