

## Anti-MYH14 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A04528-3-Fluoro488

### About MYH14

Myosin-14 is a protein that in humans is encoded by the MYH14 gene. This gene encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin; it should not be confused with the unconventional myosin-14 (MYO14). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene result in one form of autosomal dominant hearing impairment. Multiple transcript variants encoding different isoforms have been found for this gene.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-MYH14 Antibody Picoband® Fluoro488 Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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% Na <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           | Q7Z406   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human MYH14 recombinant protein (Position: M1-R1895). Human MYH14 shares 92.5% amino acid (aa) sequence identity with mouse MYH14. |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm   |
| Suggested Dilutions | Optimal dilutions should be determined by end users.  |

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