

## Anti-ARHGEF6 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A05317-1-Fluoro594

### About ARHGEF6

Rho guanine nucleotide exchange factor 6 is a protein that, in humans, is encoded by the ARHGEF6 gene. Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho-dependent signals. This protein is activated by PI3-kinase. Mutations in this gene can cause X-chromosomal non-specific cognitive disability.

### Overview

|                      |                                                                                                                                                                                       |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-ARHGEF6 Antibody Picoband® Fluoro594 Conjugated                                                                                                                                  |
| Reactive Species     | Human, Mouse                                                                                                                                                                          |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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           | Q15052                                                                                                                                                                                |

### Technical Details

|                     |                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen           | E.coli-derived human ARHGEF6 recombinant protein (Position: E54-R765). Human ARHGEF6 shares 91.2% and 91.3% amino acid (aa) sequence identity with mouse and rat ARHGEF6, respectively. |
| Form                | Liquid                                                                                                                                                                                  |
| Concentration       | 0.5 mg/mL                                                                                                                                                                               |
| Purification        | Immunogen affinity purified.                                                                                                                                                            |
| Conjugate           | Fluoro594<br>Excitation Wavelength: 593 nm<br>Emission Wavelength: 618 nm                                                                                                               |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                                                                                                                                    |

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