

## Anti-EIF5B Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A04604-1-Fluoro488

### About EIF5B

Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have only three initiation factors (IF1, IF2, IF3). Two of these factors are conserved in eukaryotes: the homolog of IF1 is eIF1A and the homolog of IF2 is eIF5B. This gene encodes eIF5B. Factors eIF1A and eIF5B interact on the ribosome along with other initiation factors and GTP to position the initiation methionine tRNA on the start codon of the mRNA so that translation initiates accurately.

### Overview

|                      |                                                                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-EIF5B Antibody Picoband® Fluoro488 Conjugated                                                                                                                                                      |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                                                       |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IP, IF, IHC, ICC, 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> N.                                                                                            |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.                                                                                                    |
| Host                 | Rabbit                                                                                                                                                                                                  |
| Uniprot ID           | O60841                                                                                                                                                                                                  |

### Technical Details

|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| Immunogen           | E.coli-derived human EIF5B recombinant protein (Position: D188-E1162).        |
| 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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### Anti-EIF5B Antibody - Fluoro488

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