

## Anti-ATG4B Antibody Picoband® FITC Conjugated

Catalog Number: A02885-2-FITC

### About ATG4B

Cysteine protease ATG4B is an enzyme that in humans is encoded by the ATG4B gene. Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-ATG4B Antibody Picoband® FITC Conjugated   |
| Reactive Species     | Human, Mouse, Rat   |
| 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           | Q9Y4P1  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human ATG4B recombinant protein (Position: E17-D328). |
| Cross Reactivity | No cross-reactivity with other proteins.                             |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | FITC<br>Excitation Wavelength: 495 nm<br>Emission Wavelength: 525 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

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Anti-ATG4B Antibody - FITC

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