

RecomAb™

## ATG12 recombinant monoclonal antibody, clone 2F6

Catalog # RAB04378      Size 100 uL

### Specification

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit recombinant monoclonal antibody raised against human ATG12.                                                     |
| Antibody Species    | Rabbit                                                                                                                 |
| Immunogen           | Original antibody is raised against a synthetic peptide corresponding to human ATG12.                                  |
| Reactivity          | Human                                                                                                                  |
| Form                | Liquid                                                                                                                 |
| Purification        | Affinity chromatography                                                                                                |
| Isotype             | IgG                                                                                                                    |
| Recommend Usage     | ELISA<br>The optimal working dilution should be determined by the end user.                                            |
| Storage Buffer      | In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)                                                       |
| Storage Instruction | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                            |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

### Applications

- Enzyme-linked Immunoabsorbent Assay

### Gene Info — ATG12

Entrez GeneID [9140](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">O94817</a>                                                                                                                                                                                                                                                                                                                                              |
| Gene Name          | ATG12                                                                                                                                                                                                                                                                                                                                                               |
| Gene Alias         | APG12, APG12L, FBR93, HAPG12                                                                                                                                                                                                                                                                                                                                        |
| Gene Description   | ATG12 autophagy related 12 homolog (S. cerevisiae)                                                                                                                                                                                                                                                                                                                  |
| Omim ID            | <a href="#">609608</a>                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary       | Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).[supplied by OMIM] |
| Other Designations | APG12 autophagy 12-like Apg12 (autophagy, yeast) homolog                                                                                                                                                                                                                                                                                                            |

## Pathway

- [Regulation of autophagy](#)

## Disease

- [Adenocarcinoma](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)