



# ATG7 Rabbit mAb

|                           |                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | YP-Ab-17817                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>         | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>       | WB                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>          | ATG7                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Alternative Names</b>  | hAGP7; Ubiquitin-activating enzyme E1-like protein; APG7L                                                                                                                                                                                                                                                                                                                                      |
| <b>Research Field</b>     | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Categories</b> | Primary antibody                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Weight</b>   | Calculated MW: 78 kDa; Observed MW: 78 kDa                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clonality</b>          | Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clonality No.</b>      | R09-4E8                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dilution</b>           | WB: 1/500-1/1000                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>          | A synthetic peptide of human Apg7                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purification</b>       | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugation</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Modification</b>       | Unmodified                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>               | Liquid                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer System</b>      | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>            | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                       |
| <b>Background</b>         | The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10. |



**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

