

**Product Name: APG5L/ATG5 Rabbit Monoclonal Antibody****Catalog #: AMRe86454**

For research use only.

**Summary**

|                      |  |
|----------------------|--|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody   |
| <b>Host</b>          | Rabbit   |
| <b>Application</b>   | WB,IHC,FC  |
| <b>Reactivity</b>    | Human,Mouse,Rat  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Modification</b>  | Unmodified   |
| <b>Isotype</b>       | IgG  |
| <b>Clonality</b>     | Monoclonal   |
| <b>Form</b>          | Liquid   |
| <b>Concentration</b> |  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.  |
| <b>Shipping</b>      | Ice bags   |
| <b>Buffer</b>        | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt. |
| <b>Purification</b>  | Affinity Purification  |

**Application**

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB 1:1000-1:5000,IHC 1:100-1:200,FC 1:100-1:200 |
| <b>Molecular Weight</b> | Calculated MW:33 kDa; Observed MW:55 kDa        |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | APG5L/ATG5                                 |
| <b>Alternative Names</b> | ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE |
| <b>Gene ID</b>           | 9474                                       |
| <b>SwissProt ID</b>      | Q9H1Y0                                     |
| <b>Immunogen</b>         | A synthetic peptide of human APG5L/ATG5    |

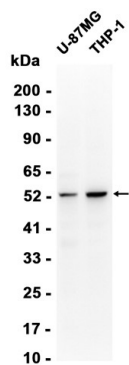
**Background**

The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle

formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

## Research Area

## Image Data



Western blot analysis of extracts from U-87MG , THP-1 cells using APG5L/ATG5 Rabbit Monoclonal Antibody at 1:500.