

**Anti-Human/Mouse/Rat ATG5 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA12943**

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3th Edition

**Description:**Autophagy protein 5 is a protein that in humans is encoded by the ATG5 gene. It is an E3 ubiquitinligase which is necessary for autophagy due to its role in autophagosome elongation. It is activated by ATG7 and forms a complex with ATG12 and ATG16L1. This complex is necessary for LC3-1 conjugation to PE to form LC3-II.

**Antigen:**Recombinant protein of human ATG5

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Ubiquitous. The mRNA is present at similar levels in viable and apoptotic cells, whereas the protein is dramatically highly expressed in apoptotic cells.