

**Apg5/Atg5 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10683****Specification**

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**Apg5/Atg5 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O3MQ06.1</a>
Other Accession	<a href="#">CAJ31281</a>
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

**Apg5/Atg5 Antibody - Additional Information**

Application & Usage	<b>Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes ~37 kDa Apg5/Atg5 from samples of human, mouse and rat origins. Reactivity to other species has not been tested.</b>
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**Other Names**

Autophagy protein 5, APG5-like , Apoptosis-specific protein, autophagy protein, atg5, atg-5, apg5, apg-5

**Target/Specificity**

Apg5

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Apg5/Atg5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

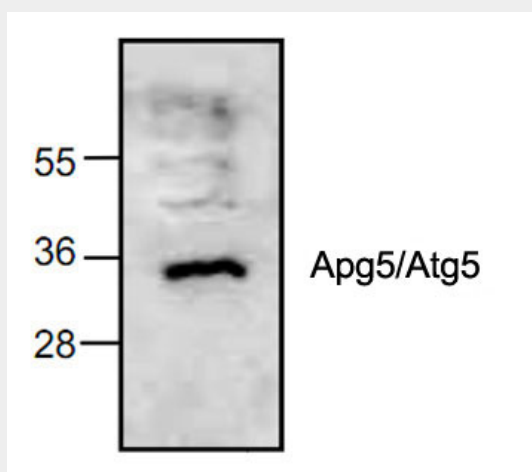
### **Apg5/Atg5 Antibody - Protein Information**

### **Apg5/Atg5 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Apg5/Atg5 Antibody - Images**



Western blot analysis of Apg5/Atg5 in Jurkat cell lysate.

### **Apg5/Atg5 Antibody - Background**

Autophagy, the process of bulk degradation of cellular proteins through an autophagosomal-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. An ubiquitin like conjugation system is involved in the formation of autophagosome where by Atg12 is covalently bound to Apg5/ATG5. The conjugation is mediated by the ubiquitin-E1-like enzyme Atg7 and the E2-like enzyme Atg10.