

**ATG12 Rabbit mAb**  
Catalog # AP75089**Specification**

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**ATG12 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O94817</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>15113</b>

**ATG12 Rabbit mAb - Additional Information****Gene ID** 9140**Other Names**  
ATG12**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**ATG12 Rabbit mAb - Protein Information****Name** ATG12 ([HGNC:588](#))**Synonyms** APG12, APG12L**Function**

Ubiquitin-like protein involved in autophagy vesicles formation. Conjugation with ATG5 through a ubiquitin-like conjugating system involving also ATG7 as an E1-like activating enzyme and ATG10 as an E2-like conjugating enzyme, is essential for its function. The ATG12-ATG5 conjugate acts as an E3-like enzyme which is required for lipidation of ATG8 family proteins and their association to the vesicle membranes. As part of the ATG8 conjugation system with ATG5 and ATG16L1, required for recruitment of LRRK2 to stressed lysosomes and induction of LRRK2 kinase activity in response to lysosomal stress (By similarity).

**Cellular Location**

Cytoplasm. Preautophagosomal structure membrane; Peripheral membrane protein. Note=TECPR1 recruits the ATG12- ATG5 conjugate to the autolysosomal membrane

**Tissue Location**

Ubiquitous..

## ATG12 Rabbit mAb - 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](#)

## ATG12 Rabbit mAb - Images

