



# ATG3 rabbit pAb

<b>Catalog No</b>	YP-Ab-11320
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ATG3 APG3 APG3L
<b>Protein Name</b>	ATG3
<b>Immunogen</b>	Synthesized peptide derived from human ATG3 AA range: 28-78
<b>Specificity</b>	This antibody detects endogenous levels of ATG3 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Calculated Molecular Weight</b>	35kD
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta.
<b>Function</b>	function:GABARAPL1 (GABARAPL2 or GABARAP or MAP1LC3)-modifier protein conjugating enzyme involved in its E2-like covalent binding to PE. ATG7 (E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with ATG3 (E2-like enzyme). Preferred substrate is MAP1LC3A. Formation of the GABARAPL1-PE conjugate is essential for autophagy.,similarity:Belongs to the ATG3 family.,subunit:Interacts with ATG7 and ATG12. The complex, composed of ATG3 and ATG7, plays a role in the conjugation of ATG12 to ATG5.,tissue specificity:Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta.,
<b>Background</b>	This gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy during cell death. A pseudogene of this gene is located on chromosome 20. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013],



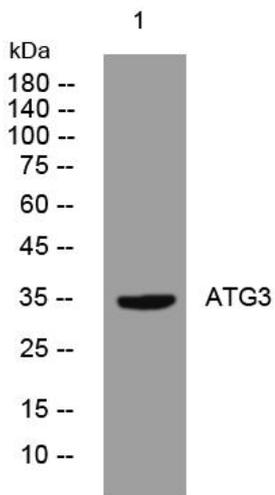
**matters needing attention**

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**



Western blot analysis of lysates from HEK293 cells, primary antibody was diluted at 1:1000, 4° over night