Best Tools for immunology Research

ATG3 rabbit pAb

Catalog No :	YT6685
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	ATG3
Fields :	>>Autophagy - other;>>Autophagy - animal;>>Kaposi sarcoma-associated herpesvirus infection
Gene Name :	ATG3 APG3 APG3L
Protein Name :	ATG3
Human Gene Id :	64422
Human Swiss Prot No :	Q9NT62
Mouse Gene Id :	67841
Mouse Swiss Prot No :	Q9CPX6
Rat Gene Id :	171415
Rat Swiss Prot No :	Q6AZ50
Immunogen :	Synthesized peptide derived from human ATG3 AA range: 28-78
Specificity :	This antibody detects endogenous levels of ATG3 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 35kD

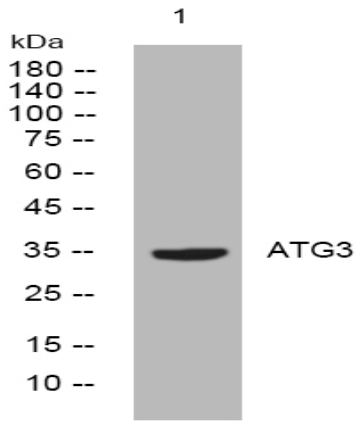
Background : This gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy 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],

Function : 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.,

Subcellular Location : Cytoplasm .

Expression : Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta.

Products Images



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