

Basic Information

Product Name	Anti-ATG3 Antibody (Clone#ABBC-1)	
Gene Name	ATG3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat, monkey	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Apg3 (Atg3)	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	38 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

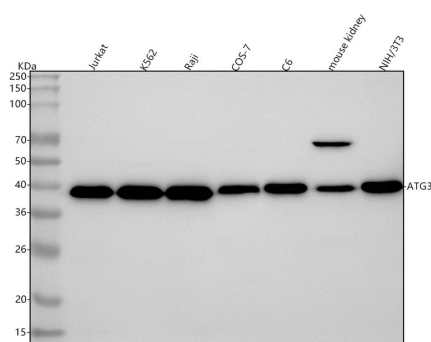
Background Information

This ATG3 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. And the 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.

Reference

Anti-ATG3 Antibody (Clone#ABBC-1)被引用在2文献中。

Selected Validation Data



Western blot analysis of anti-ATG3 antibody (BM5103). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Jurkat whole cell lysates,

Lane 2: human K562 whole cell lysates,

Lane 3: human Raji whole cell lysates,

Lane 4: monkey COS-7 whole cell lysates,

Lane 5: rat C6 whole cell lysates,

Lane 6: mouse kidney tissue lysates,

Lane 7: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-ATG3 antigen

affinity purified monoclonal antibody (BM5103) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for ATG3 at approximately 40 kDa. The expected band size

for ATG3 is at 36 kDa.