
Product Name: ATG3 Rabbit Monoclonal Antibody**Catalog #: AMRe85320**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.62mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200
Molecular Weight	Calculated MW: 36 kDa; Observed MW: 40 kDa

Antigen Information

Gene Name	ATG3
Alternative Names	APG3; APG3L; PC3-96; APG3-LIKE
Gene ID	64422.0
SwissProt ID	Q9NT62
Immunogen	A synthetic peptide of human ATG3

Background

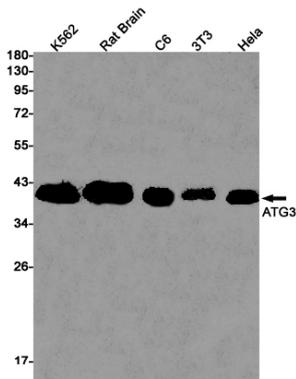
E2-like enzyme involved in autophagy and mitochondrial homeostasis. Catalyzes the conjugation of ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A) to phosphatidylethanolamine (PE). Catalyzing the conjugation of ATG12 to itself, ATG12 conjugation to ATG3 playing a role in mitochondrial homeostasis but not in autophagy. ATG7 (E1-like enzyme)

facilitates this reaction by forming an E1-E2 complex with ATG3.

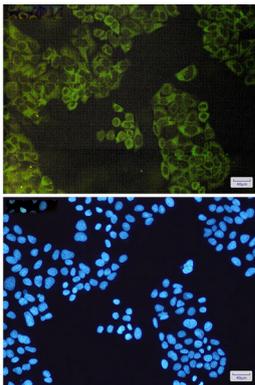
Research Area

Autophagy

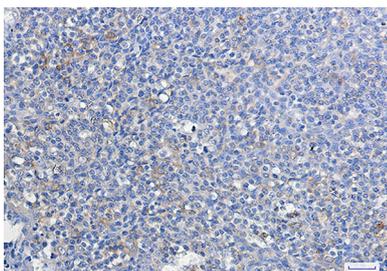
Image Data



Western blot analysis of ATG3 in K562, rat Brain, C6, 3T3, HeLa lysates using ATG3 antibody.



Immunocytochemistry analysis of ATG3(green) in HeLa using ATG3 antibody, and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATG3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.