



ATG7 Rabbit rabbit pAb

Cat No.:ES20825

For research use only

Overview

Product Name	ATG7 Rabbit rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	IHC-p 1:50-300,WB 1:500-2000
Immunogen	Recombinant Protein of ATG7
Specificity	The antibody detects endogenous ATG7 protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7) (Autophagy-related protein 7) (APG7-like) (hAGP7) (Ubiquitin-activating enzyme E1-like protein)
Gene Name	ATG7 APG7L
Cellular localization	Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	78kD
Human Gene ID	10533
Human Swiss-Prot Number	O95352
Alternative Names	Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)
Background	This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to





vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

