

Apg10 Rabbit pAb

Catalog # AP99893

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9H0Y0
Other Accession	Q9H0Y0
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25279
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Apg10
Epitope Specificity	151-220/220
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ATG10 family.
SUBUNIT	Interacts with MAP1LC3A. By interacting with MAP1LC3A, it plays a role in the conjugation of ATG12 to ATG5. Also able to directly interact either with ATG5 or ATG7.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3.

Additional Information

Gene ID	83734
Other Names	APG10; APG10L; pp12616; 5330424L23Rik; 5430428K15Rik; Agp10; Apg10p; Atg10l; mAPG10; ATG10_HUMAN; ATG10; Autophagy-related protein 10 (APG10-like); 2.3.2.-; ATG10_MOUSE; Autophagy-related protein 10 (APG10-like mAPG10); autophagy related 10; APG10 autophagy 10-like (S. cerevisiae); ATG10 autophagy related 10 homolog (S. cerevisiae)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ATG10
Synonyms	APG10L
Function	E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3 (By similarity). Plays a role in adenovirus-mediated cell lysis.
Cellular Location	Cytoplasm.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.