

Product datasheet for **AP32204PU-N**

ATG16L1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000 Western blot: 1/50-1/100. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 377~407 amino acids from the C-term of Human APG16L
Specificity:	This antibody recognizes Human ATG16L (C-term). Other species not tested.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulfate precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	68265 Da
Gene Name:	autophagy related 16 like 1
Database Link:	Entrez Gene 55054 Human Q676U5



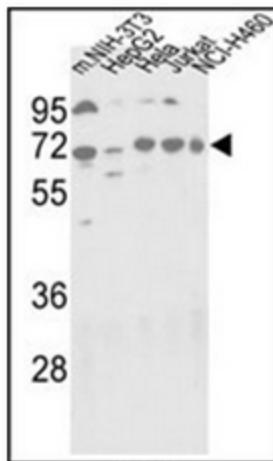
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Background:

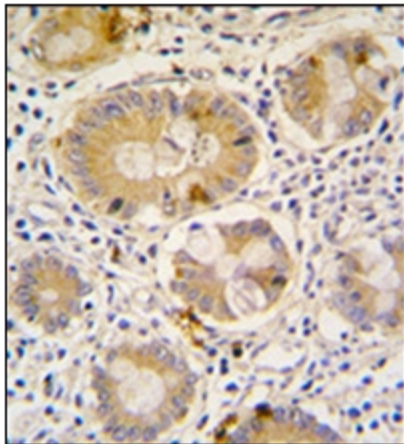
Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). The APG12-APG5-APG16L complex is essential for the elongation of autophagic isolation membranes. This complex initially associates in uniform distribution with small vesicle membranes. During membrane elongation, the complex partitions, with a great concentration building on the outer side of the isolation membrane. Upon completion of the formation of the autophagosome, the APG12-APG5-APG16L dissociates from the membrane.

Synonyms:

Autophagy-related protein 16-1, APG16-like 1

Product images:

Western blot analysis using Autophagy APG16L Antibody (C-term) in NIH-3T3, HepG2, Hep2, Jurkat and NCI-H460 cell line lysates (35 ug/lane).



Formalin-Fixed, Paraffin-Embedded human colon carcinoma tissue reacted with Autophagy APG16L antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.