

Product datasheet for **TA335641**

ATG4B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-APG4B Antibody: synthetic peptide directed towards the C terminal of human APG4B. Synthetic peptide located within the following region: LGGALPMFELVELQPSHLACPDVNLNLSLDSSDVERLERFFDSEDEDFEIL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	autophagy related 4B cysteine peptidase
Database Link:	NP_037457 Entrez Gene 23192 Human Q9Y4P1



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Background: Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. APG4B encodes a member of the autophagin protein family and is also designated as a member of the C-54 family of cysteine proteases.

Synonyms: APG4B; AURL1

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Bovine: 93%; Zebrafish: 85%

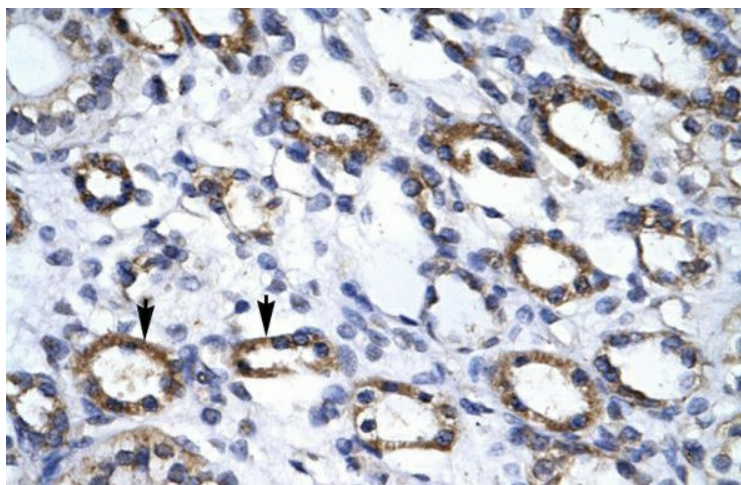
Protein Families: Protease

Protein Pathways: Regulation of autophagy

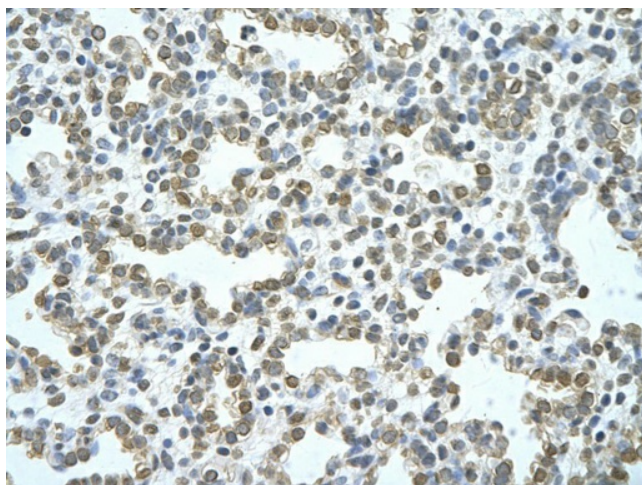
Product images:



WB Suggested Anti-APG4B Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: Raji cell lysate. APG4B is strongly supported by BioGPS gene expression data to be expressed in Human Raji cells



Human kidney



Rabbit Anti-ATG4B Antibody; Paraffin Embedded
Tissue: Human alveolar cell; Cellular Data:
Epithelial cells of renal tubule; Antibody
Concentration: 4.0-8.0 ug/ml; Magnification: 400X