

Rabbit APG4B Polyclonal Antibody | anti-ATG4B antibody

APG4B antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197807	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

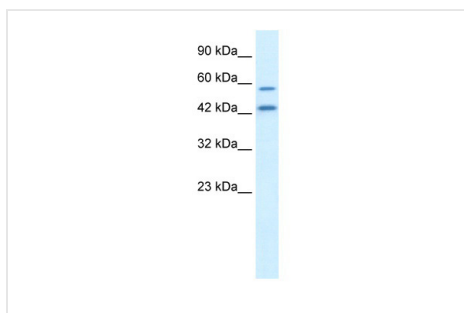
PRODUCT SYNONYMS

APG4B; Polyclonal Antibody; APG4B antibody - C-terminal region; anti-ATG4B antibody

PRODUCT SPECIFICATIONS

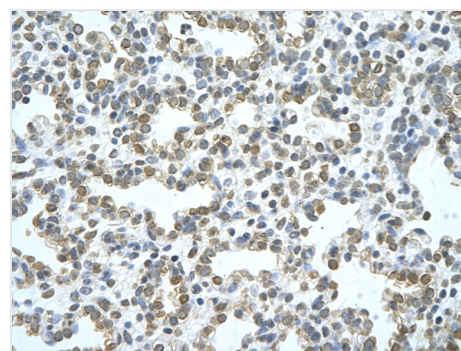
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LG GALPMFELVE LQPSHLACPD VLNLSLDSSD VERLERFFDS EDEDFEIL
Sequence Length	393
Applicable Applications for anti-ATG4B antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human APG4B
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



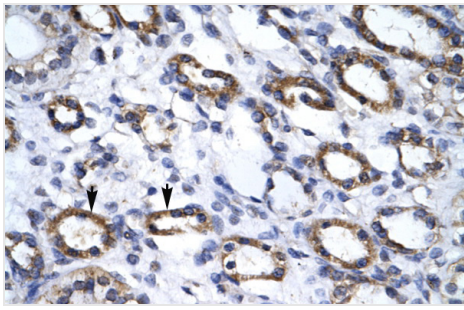
WB (Western Blot)

WB Suggested Anti-APG4B Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:12500
 Positive Control: Raji cell lysate
 ATG4B is strongly supported by BioGPS gene expression data to be expressed in Human Raji cells



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)
Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-ATG4B antibody	This is a rabbit polyclonal antibody against APG4B. It was validated on Western Blot and immunohistochemistry Target Description: 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.
Product Categories/Family for anti-ATG4B antibody	Polyclonal; Transcription Factor; Disease Related; Immunohistochemistry; Autophagy

NCBI AND UNIPROT INFORMATION

NCBI GI #	47132611
NCBI GeneID	23192
NCBI Accession #	NP_037457
NCBI GenBank Nucleotide #	NM_013325
UniProt Accession #	Q9Y4P1
Molecular Weight	44kDa
NCBI Official Full Name	cysteine protease ATG4B isoform a
NCBI Official Synonym Full Names	autophagy related 4B cysteine peptidase
NCBI Official Symbol	ATG4B
NCBI Official Synonym Symbols	APG4B; AUTL1
NCBI Protein Information	cysteine protease ATG4B
UniProt Protein Name	Cysteine protease ATG4B
UniProt Gene Name	ATG4B
UniProt Synonym Gene Names	APG4B; AUTL1; KIAA0943; hAPG4B
UniProt Entry Name	ATG4B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.