



# ATG4b Rabbit rabbit pAb

Cat No.:ES20828

For research use only

## Overview

Product Name	ATG4b Rabbit rabbit pAb
Host species	Rabbit
Applications	IHC;IF
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	IHC-p 1:50-300
Immunogen	Recombinant Protein of ATG4b
Specificity	The antibody detects endogenous ATG4b 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	Cysteine protease ATG4B (EC 3.4.22.-) (AUT-like 1 cysteine endopeptidase) (Autophagin-1) (Autophagy-related cysteine endopeptidase 1) (Autophagy-related protein 4 homolog B) (hAPG4B)
Gene Name	ATG4B APG4B AUTL1 KIAA0943
Cellular localization	Cytoplasm . Cytoplasm, cytosol . Cytoplasmic vesicle, autophagosome . Endoplasmic reticulum . Mitochondrion . Mainly localizes to the cytoplasm, including cytosol (PubMed:29165041). A small portion localizes to mitochondria; phosphorylation at Ser-34 promotes
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	44kD
Human Gene ID	23192
Human Swiss-Prot Number	Q9Y4P1
Alternative Names	Cysteine protease ATG4B (EC 3.4.22.-;AUT-like 1 cysteine endopeptidase;Autophagin-1;Autophagy-related cysteine endopeptidase 1;Autophagy-related

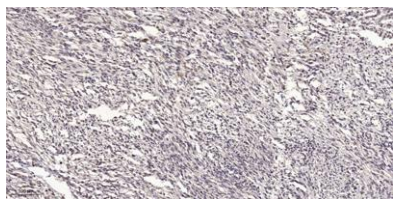




## Background

protein 4 homolog B;hAPG4B)

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. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:2

