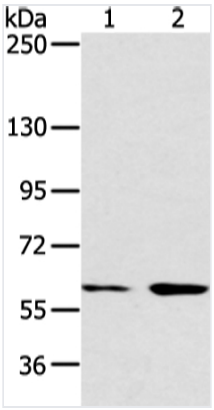
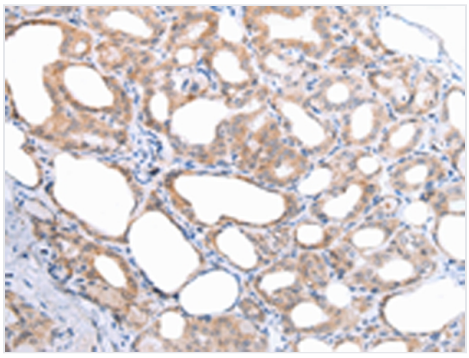
ATG16L1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

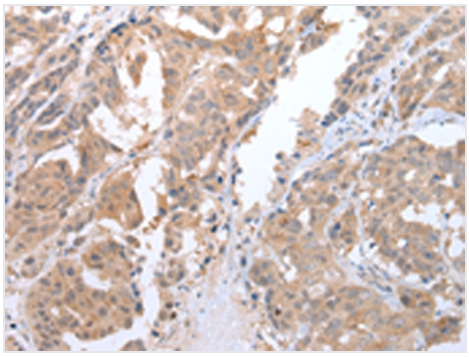
Product Name	ATG16L1, Polyclonal Antibody
Full Product Name	ATG16L1 Antibody
Product Gene Name	anti-ATG16L1 antibody
Product Synonym Names	IBD10; WDR30; APG16L; ATG16A; ATG16L
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	3 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total ATG16L1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	68kDa
OMIM	610767
3D Structure	ModBase 3D Structure for Q676U5
Immunogen	Synthetic peptide of human ATG16L1
Target Name	ATG16L1
Product Categories/Family for anti-ATG16L1 antibody	Total protein Ab
Applications Tested/Suitable for anti-ATG16L1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ATG16L1 antibody	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:25-1:100
Related Product Information for anti-ATG16L1 antibody	The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoformshave been found for this gene.
Other Notes	Small volumes of anti-ATG16L1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ATG16L1 purchase	MBS9415967 is an antibody targeting ATG16L1. Also known as ATG16L1 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ATG16L1 antibody
Gel: 6%SDS-PAGE Lysate: 40 ? g Lane 1-2: Hela and raji cell Primary antibody: 1/750 dilution Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 20 seconds



Immunohistochemistry (IHC) of anti-ATG16L1 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/45.



Immunohistochemistry (IHC) of anti-ATG16L1 antibody
Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/45.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATG16L1. It may not necessarily be applicable to this product.

NCBI GI #	298229005
NCBI GeneID	55054
NCBI Accession #	NP_001177195.1
UniProt Primary Accession #	Q676U5
UniProt Secondary Accession #	Q6IPN1; Q6UXW4; Q6ZVZ5; Q8NCY2; Q96JV5; Q9H619; A3EXK9; A3EXL0; B6ZDH0
UniProt Related Accession #	Q676U5
GenBank Nucleotide #	NM_001190266.1
NCBI Official Full Name	autophagy-related protein 16-1 isoform 4
NCBI Official Synonym Full Names	autophagy related 16 like 1
NCBI Official Symbol	ATG16L1
NCBI Official Synonym Symbols	IBD10; WDR30; APG16L; ATG16A; ATG16L
UniProt Protein Name	Autophagy-related protein 16-1
UniProt Synonym Protein Names	APG16-like 1
Protein Family	Autophagy-related protein
UniProt Gene Name	ATG16L1

UniProt Synonym Gene Names	APG16L
UniProt Entry Name	A16L1_HUMAN
NCBI Protein Information	autophagy-related protein 16-1
UniProt Comments for ATG16L1	ATG16L1: Plays an essential role in autophagy. Homooligomer. Interacts with ATG5. Part of either the minor and major complexes respectively composed of 4 sets of ATG12-ATG5 and ATG16L1 (400 kDa) or 8 sets of ATG12-ATG5 and ATG16L1 (800 kDa). Belongs to the WD repeat ATG16 family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold; Autophagy; Membrane protein, peripheral Chromosomal Location of Human Ortholog: 2q37.1 Cellular Component: autophagic vacuole; axoneme; cytosol Molecular Function: identical protein binding; protein binding; small conjugating protein ligase activity Biological Process: autophagic vacuole formation; macroautophagy Disease: Inflammatory Bowel Disease 10
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