ARG64552
anti-ATG16L1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ATG16L1
Tested Reactivity	Hu, Ms
Predict Reactivity	Dog, Rat
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_110430.5 and NP_060444.3).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ATG16L1
Species	Human
Immunogen	C-KVEKVLSKQHSSSIN
Conjugation	Un-conjugated
Alternate Names	IBD10; APG16L; ATG16L; WDR30; Autophagy-related protein 16-1; APG16-like 1; ATG16A

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.01 - 0.1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

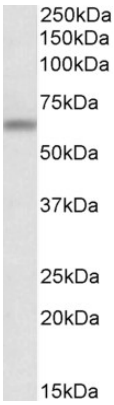
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

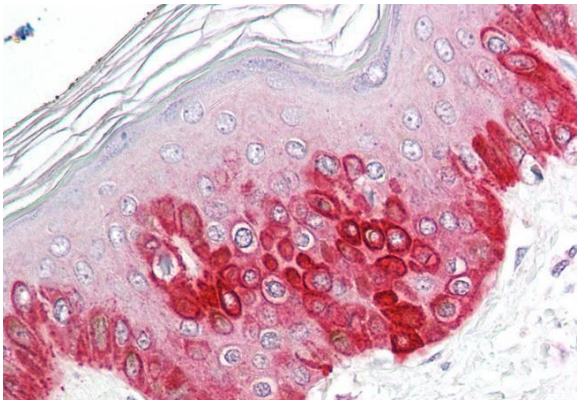
Database links	GeneID: 55054 Human GeneID: 77040 Mouse Swiss-port # Q676U5 Human Swiss-port # Q8C0J2 Mouse
Background	The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2010]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	68 kDa
PTM	Proteolytic cleavage by activated CASP3 leads to degradation and may regulate autophagy upon cellular stress and apoptotic stimuli. Phosphorylation at Ser-139 promotes association with the ATG12-ATG5 conjugate to form the ATG12-ATG5-ATG16L1 complex.

Images



ARG64552 anti-ATG16L1 antibody WB image

Western Blot: Mouse Brain lysate (35 µg protein in RIPA buffer) stained with ARG64552 anti-ATG16L1 antibody at 0.1 µg/ml dilution.



ARG64552 anti-ATG16L1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skin tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64552 anti-ATG16L1 antibody at 3.75 µg/ml dilution followed by AP-staining.