

## ARG43466 anti-ATG16L1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ATG16L1.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ATG16L1
Species	Human
Immunogen	Synthetic peptide derived from human ATG16L1
Conjugation	Un-conjugated
Alternate Names	IBD10; WDR30; APG16L; ATG16A; ATG16L

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

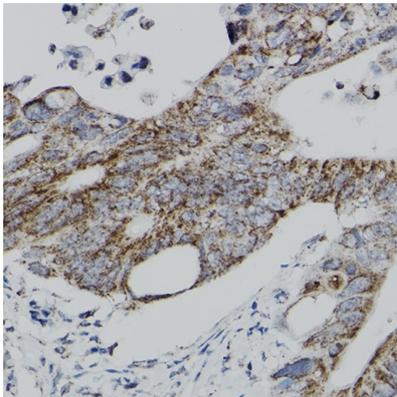
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

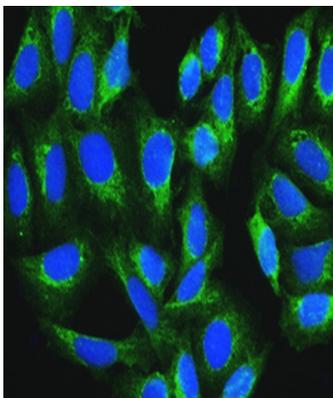
Gene Symbol	ATG16L1
Gene Full Name	autophagy related 16-like 1
Background	The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause 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]
Function	Plays an essential role in autophagy: interacts with ATG12-ATG5 to mediate the conjugation of phosphatidylethanolamine (PE) to LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C), to produce a membrane-bound activated form of LC3 named LC3-II. Thereby, controls the elongation of the nascent autophagosomal membrane. [UniProt]

## Images



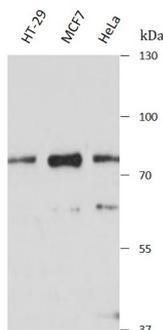
ARG43466 anti-ATG16L1 antibody IHC-P image

Immunohistochemistry: Human colon stained with ARG43466 anti-ATG16L1 antibody at 1:100 dilution.



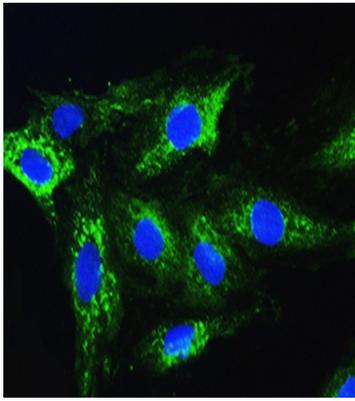
ARG43466 anti-ATG16L1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG43466 anti-ATG16L1 antibody at 1:100 dilution.



ARG43466 anti-ATG16L1 antibody WB image

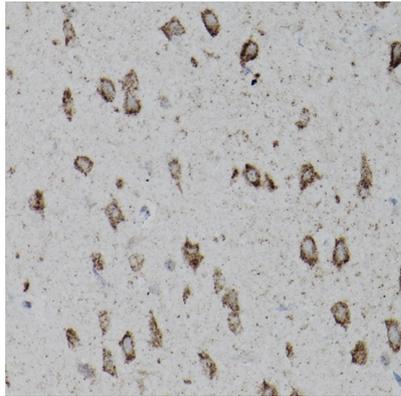
Western blot: HT-29, MCF7 and HeLa stained with ARG43466 anti-ATG16L1 antibody at 1:1000 dilution.



ARG43466 anti-ATG16L1 antibody ICC/IF image

Immunofluorescence: H9c2 stained with ARG43466 anti-ATG16L1 antibody at 1:100 dilution.

---



ARG43466 anti-ATG16L1 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG43466 anti-ATG16L1 antibody at 1:100 dilution.

---