

# Anti-ATG16L1 antibody ab188642

[7 References](#) [画像数 5](#)

### 製品の概要

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製品名	Anti-ATG16L1 antibody
製品の詳細	Rabbit polyclonal to ATG16L1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ELISA, ICC/IF, WB, IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human ATG16L1 (internal sequence). 18 amino acids. Database link: <a href="#">Q676U5</a>

### 特記事項

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 99% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

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The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab188642の使用に適用されます**

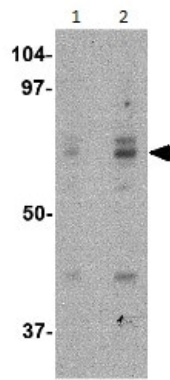
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 2 - 4 µg/ml.
WB		Use a concentration of 0.25 - 0.5 µg/ml. Predicted molecular weight: 68 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## ターゲット情報

機能	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.
関連疾患	Inflammatory bowel disease 10
配列類似性	Belongs to the WD repeat ATG16 family. Contains 7 WD repeats.
翻訳後修飾	Proteolytic cleavage by activated CASP3 leads to degradation and may regulate autophagy upon cellular stress and apoptotic stimuli.
細胞内局在	Cytoplasm. Preautophagosomal structure membrane. Recruited to omegasomes membranes by WIPI2. Omegasomes are endoplasmic reticulum connected structures at the origin of preautophagosomal structures. Localized to preautophagosomal structure (PAS) where it is involved in the membrane targeting of ATG5. Localizes also to discrete punctae along the ciliary axoneme.
製品の状態	There are 4 isoforms produced by alternative splicing.

## 画像



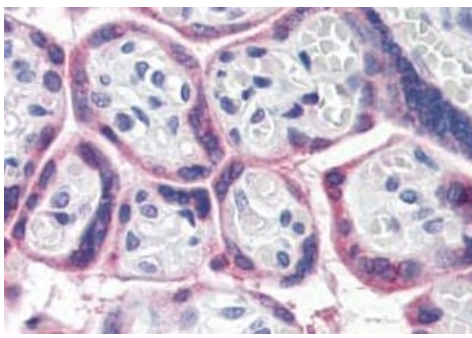
Western blot - Anti-ATG16L1 antibody (ab188642)

**Lane 1** : Anti-ATG16L1 antibody (ab188642) at 0.25 µg/ml

**Lane 2** : Anti-ATG16L1 antibody (ab188642) at 0.5 µg/ml

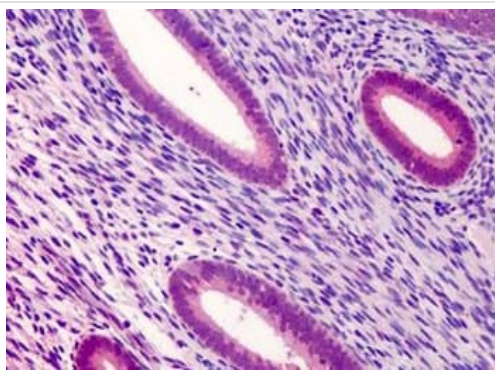
**All lanes** : HeLa cell lysate

**Predicted band size:** 68 kDa



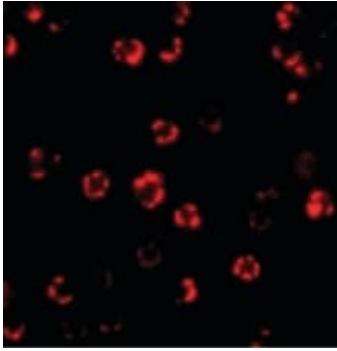
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATG16L1 antibody (ab188642)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human placenta tissue sections labeling ATG16L1 using ab188642 at 5 µg/ml.



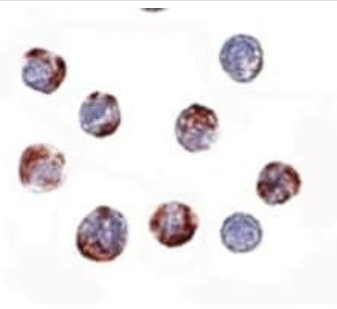
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATG16L1 antibody (ab188642)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human uterus tissue sections labeling ATG16L1 using ab188642 at 5 µg/ml.



Immunocytochemical/ Immunofluorescence analysis of HeLa cells labeling ATG16L1 using ab188642 at 4 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-ATG16L1 antibody (ab188642)



Immunocytochemical analysis of HeLa cells labeling ATG16L1 using ab188642 at 2 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-ATG16L1 antibody (ab188642)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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