

Datasheet for ABIN6243484  
**anti-ATG16L1 antibody**



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2 Images

1 Publication

## Overview

Quantity:	400 µL
Target:	ATG16L1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATG16L1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Purified His-tagged ATG16L1 protein(Fragment) was used to produced this monoclonal antibody.
Clone:	54CT27-2-6
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	ATG16L1
Alternative Name:	ATG16L1 ( <a href="#">ATG16L1 Products</a> )
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

## Target Details

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type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: 68265

NCBI Accession: [NP\\_001177195](#), [NP\\_001177196](#), [NP\\_060444](#), [NP\\_110430](#), [NP\\_942593](#)

UniProt: [Q676U5](#)

Pathways: [Autophagy](#)

## Application Details

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Application Notes: WB: 1:60. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

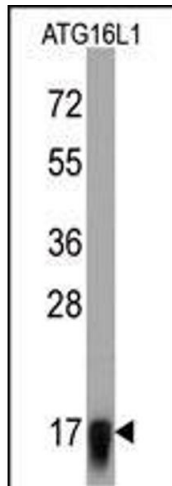
Storage: 4 °C, -20 °C

Expiry Date: 6 months

## Publications

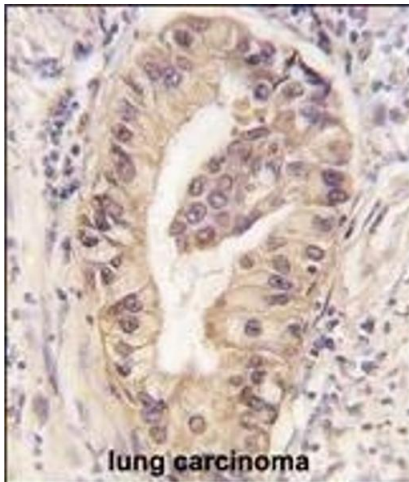
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Product cited in: Martinez-Outschoorn, Trimmer, Lin, Whitaker-Menezes, Chiavarina, Zhou, Wang, Pavlides, Martinez-Cantarin, Capozza, Witkiewicz, Flomenberg, Howell, Pestell, Caro, Lisanti, Sotgia: "Autophagy in cancer associated fibroblasts promotes tumor cell survival: Role of hypoxia, HIF1 induction and NFκB activation in the tumor stromal microenvironment." in: **Cell cycle (Georgetown, Tex.)**, Vol. 9, Issue 17, pp. 3515-33, (2010) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis of anti-ATG16L1 Monoclonal Antibody (ABIN6243484 and ABIN6577053) by ATG16L1 recombinant protein (Fragment). ATG16L1 (Fragment) protein (arrow) was detected using the purified Mab. (1:2000)



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with ATG16L1 Monoclonal Antibody (ABIN6243484 and ABIN6577053), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.