

# Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody

**Catalog # ABO14169** 

## **Specification**

### Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody - Product Information

Application WB, IP
Primary Accession Q9H0Y0
Host Rabbit
Isotype Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.

## Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody - Additional Information

**Gene ID 83734** 

#### **Other Names**

Ubiquitin-like-conjugating enzyme ATG10, 2.3.2.-, Autophagy-related protein 10, APG10-like, ATG10, APG10L

Calculated MW 25279 MW KDa

**Application Details** 

WB 1:500-1:2000<br>IP 1:50

**Subcellular Localization** 

Cytoplasm.

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human Apg10 (Atg10)

#### **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

### Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody - Protein Information



### Name ATG10

# Synonyms APG10L

#### **Function**

E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3 (By similarity). Plays a role in adenovirus-mediated cell lysis.

# **Cellular Location**

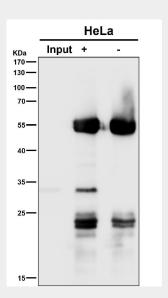
Cytoplasm.

### Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody - Images



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:3K dilution)



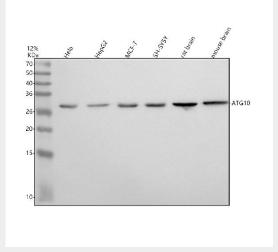


Figure 1. Western blot analysis of Apg10 using anti-Apg10 antibody (M07803). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human HepG2 whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

Lane 4: human SH-SY5Y whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Apg10 antigen affinity purified monoclonal antibody (Catalog # M07803) at 1:1000 overnight at  $4^{\circ}\text{C}$ , then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Apg10 at approximately 28 kDa. The expected band size for Apg10 is at 25 kDa.