

**Anti-Apg10 (Atg10) Rabbit Monoclonal Antibody**  
Catalog # ABO14169**Specification**

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

Application	WB, IP
Primary Accession	<a href="#">O9H0Y0</a>
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**

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**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**

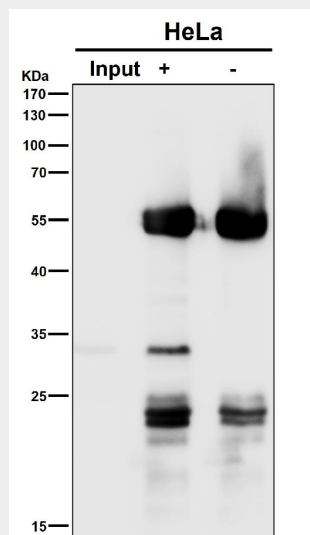
Cytoplasm.

**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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



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

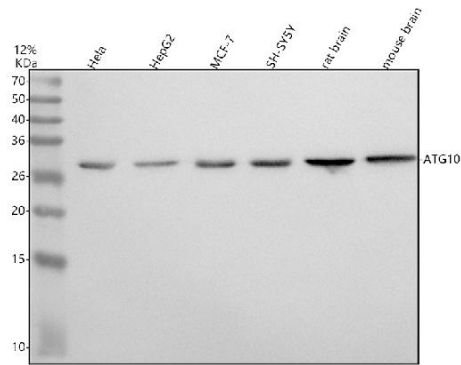


Figure 1. Western blot analysis of Apg10 using anti-Apg10 antibody (M07803).

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°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.