10320 Camino Santa Fe, Suite G
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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
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.

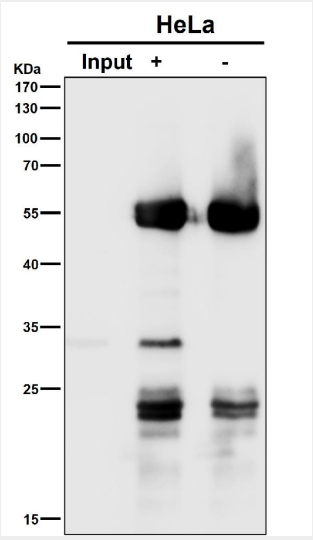
Cellular Location
Cytoplasm.

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 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)

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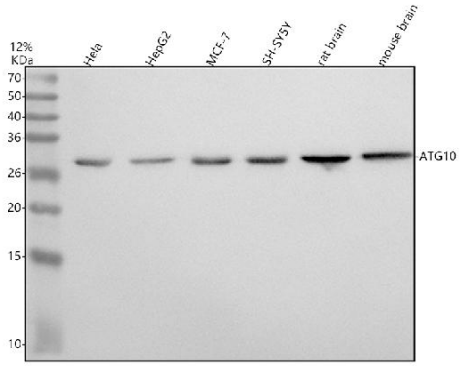

Figure 1. Western blot analysis of Apg10 using anti-Apg10 antibody (M07803).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole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