

A19677

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[KO Validated] ATG5 Rabbit mAb

Catalog No.: A19677 **KO Validated** **Recombinant** **16 Publications**

Basic Information

Observed MW

55kDa

Calculated MW

32kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC0156

Background

The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

9474

Swiss Prot

Q9H1Y0

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ATG5 (Q9H1Y0).

Synonyms

ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE; G5

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

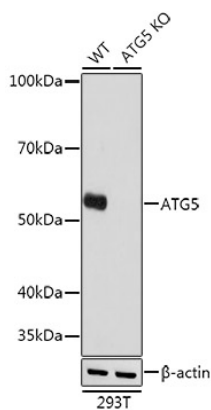
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

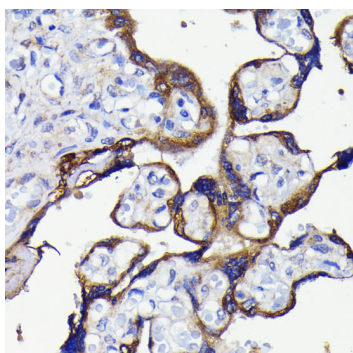
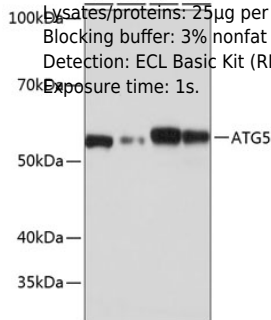
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



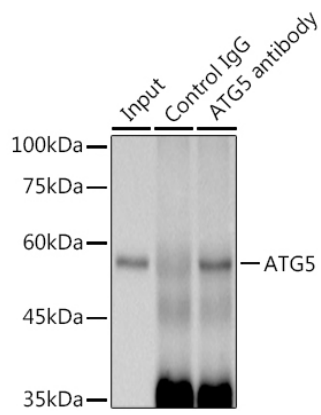
Western blot analysis of lysates from wild type (WT) and ATG5 knockout (KO) 293T cells, using [KO Validated] ATG5 Rabbit mAb (A19677) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

Western blot analysis of various lysates using [KO Validated] ATG5 Rabbit mAb (A19677) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Immunohistochemistry analysis of ATG5 in paraffin-embedded human placenta using [KO Validated] ATG5 Rabbit mAb (A19677) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Validation Data



Immunoprecipitation analysis of 300 μ g extracts from 293T cells using 3 μ g [KO Validated] ATG5 Rabbit mAb (A19677). Western blot was performed from the immunoprecipitate using [KO Validated] ATG5 Rabbit mAb (A19677) at a dilution of 1:1000.