

Beclin 1 Rabbit pAb

Catalog No.: A7353 **124 Publications**

Basic Information

Observed MW

60kDa

Calculated MW

52kDa

Category

Primary antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:100 - 1:500

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

8678

Swiss Prot

Q14457

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human Beclin 1 (NP_003757.1).

Synonyms

ATG6; VPS30; beclin1; Beclin 1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

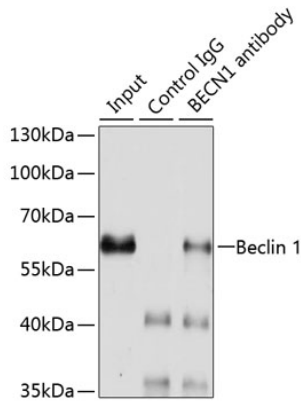
Affinity purification

Storage

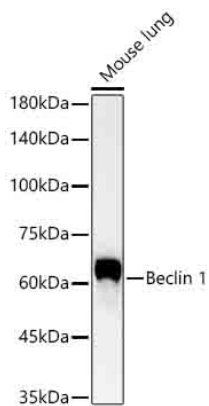
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

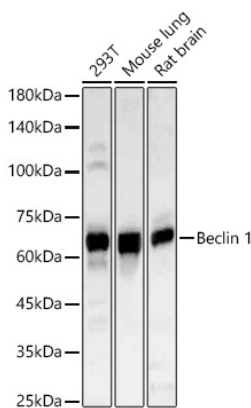
Validation Data



Immunoprecipitation analysis of 200 μ g extracts of HeLa cells using 3 μ g Beclin 1 antibody (A7353). Western blot was performed from the immunoprecipitate using Beclin 1 antibody (A7353) at a dilution of 1:1000.

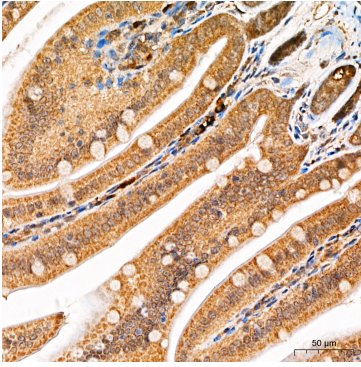


Western blot analysis of lysates from Mouse lung using [KO Validated] Beclin 1 Rabbit pAb (A7353) at 1:900 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

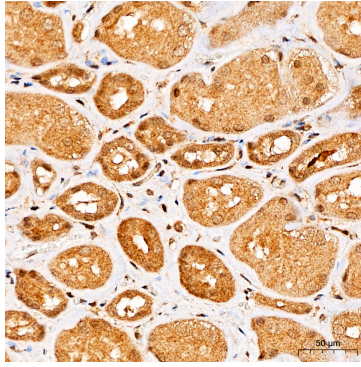


Western blot analysis of various lysates, using [KO Validated] Beclin 1 Rabbit pAb (A7353) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

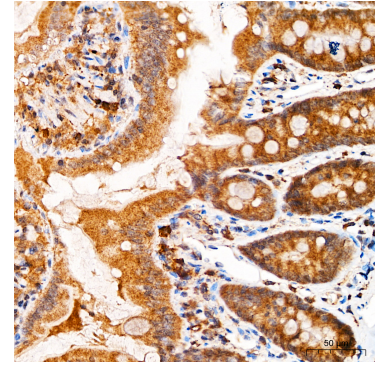
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using Beclin 1 Rabbit pAb (A7353) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Beclin 1 Rabbit pAb (A7353) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Beclin 1 Rabbit pAb (A7353) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.