

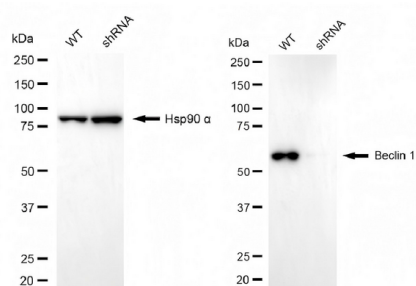


Product name:	[KD-Validated] Beclin 1 Recombinant Rabbit Monoclonal Antibody
Cat number:	MABN00015
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	Rabbit IgG
Immunogen:	A synthesized peptide derived from human Beclin 1
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:1,000-1:5,000 FC 1:200-1:2,000 ICC 1:100-1:1,000
Molecular Weight:	60 kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Synonyms:	BECN1; Beclin 1; VPS30; ATG6; Coiled-Coil Myosin-Like BCL2-Interacting Protein; Beclin 1, Autophagy Related; Beclin-1; Beclin 1 (Coiled-Coil, Moesin-Like BCL2 Interacting Protein); Beclin 1 (Coiled-Coil, Moesin-Like BCL2-Interacting Protein); ATG6 Autophagy Related 6 Homolog (S. Cerevisiae); Testis Secretory Sperm-Binding Protein Li 215e; ATG6 Autophagy Related 6 Homolog; Beclin1-Gamma; Protein GT197; Beclin1-Beta; Beclin1; GT197
Source:	Rabbit
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.

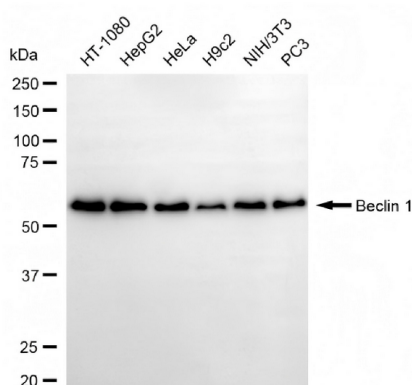
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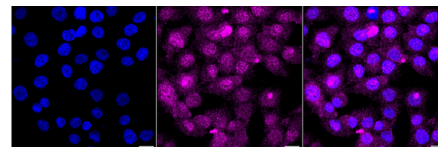
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



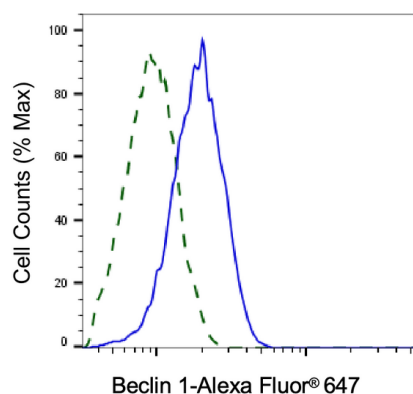
Western blotting analysis using beclin 1 antibody. Beclin 1 expression in wild type (WT) and beclin 1 (BECN1) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with beclin 1 antibody (1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



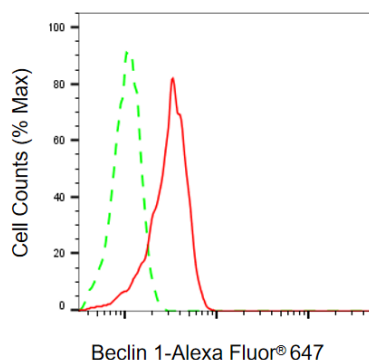
Western blotting analysis using beclin 1 antibody. Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with beclin 1 antibody (1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Beclin 1 antibody (1:1,000). Nuclei were stained blue with DAPI; Beclin 1 was stained magenta with Alexa Fluor 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of Beclin 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Beclin 1 antibody (1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Beclin 1 expression in HT-1080 cells using Beclin 1 antibody (1:2,000). Green, isotype control; red, Beclin 1.

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