# antibodies - online.com

anti-Beclin 1 antibody (AA 210-239)









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Overview		
Quantity:	0.4 mL	
Target:	Beclin 1 (BECN1)	
Binding Specificity:	AA 210-239	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Beclin 1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)	
Product Details		
Immunogen:	A portion of amino acids 210-239 from the human protein was used as the immunogen for this Beclin antibody.	
Isotype:	lg Fraction	
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Pig, Rat	
Purification:	Purified	
Target Details		
Target:	Beclin 1 (BECN1)	
Alternative Name:	Beclin 1 (BECN1 Products)	
Background:	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic	

constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). Beclin 1 plays a role in two fundamentally important cell biological pathways: autophagy and apoptosis. Beclin 1 is thought to function as a VPS and autophagy protein as part of a complex with Class III PI3 kinase, Vps34.

UniProt:

Q14457

Pathways:

Autophagy

### **Application Details**

**Application Notes:** 

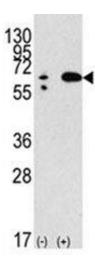
Titration of the Beclin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

Restrictions:

For Research Use only

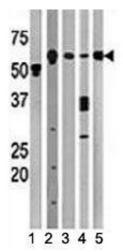
### Handling

Format:	Liquid	
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Aliquot the Beclin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.	



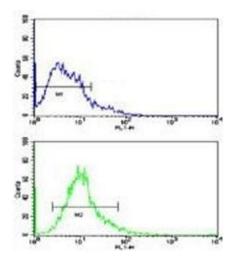
### **Western Blotting**

**Image 1.** Western blot analysis of Beclin in 293 lysate transiently transfected with the BECN1 gene (2ug/lane).



## **Western Blotting**

**Image 2.** Western blot testing of Beclin antibody and (1) A2058, (2) HeLa, (3) mouse brain, (4) Y79, and (5) HL-60 lysate



# **Flow Cytometry**

**Image 3.** Flow cytometric analysis of Y79 cells using Beclin antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Please check the product details page for more images. Overall 7 images are available for ABIN3030156.