

Anti-Beclin 1 Rabbit pAb



WL02237

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Beclin 1 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:200
	IF	1:100-1:200
Cellular localization	Cytoplasm, Golgi apparatus, trans-Golgi network membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Beclin 1 participates in the regulation of autophagy and has an important role in development, tumorigenesis, and neurodegeneration. Beclin 1 can complement defects in yeast autophagy caused by loss of Apg6 and can also stimulate autophagy when overexpressed in mammalian cells. Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of proteins activated in response to nutrient deprivation and in neurodegenerative conditions. One of the proteins critical to this process is Beclin 1, the mammalian orthologue of the yeast autophagy protein Apg6/Vps30. Mammalian Beclin 1 was originally isolated in a yeast two-hybrid screen for Bcl-2 interacting proteins and has been shown to interact with Bcl-2 and Bcl-xL, but not with Bax or Bak.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Beclin 1.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

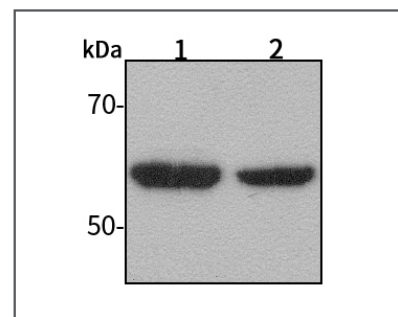
Anti-Beclin 1 Rabbit pAb



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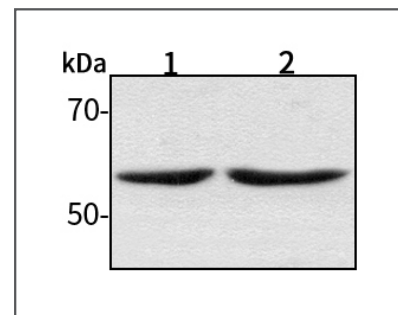
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Product Images



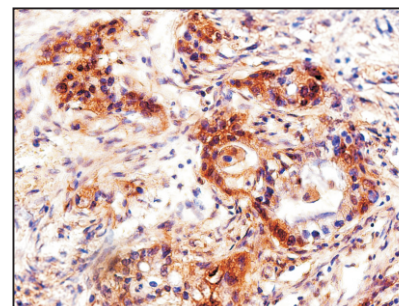
Western blot-Anti-Beclin 1 pAb

Lane 1: Human MCF-7 cell lysate
 Lane 2: Human HEK-293 cell lysate
 All lanes: Anti-Beclin 1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 52 kDa
 Observed band size: 52-60 kDa



Western blot-Anti-Beclin 1 pAb

Lane 1: Mouse heart tissue lysate
 Lane 2: Rat lung tissue lysate
 All lanes: Anti-Beclin 1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 52 kDa
 Observed band size: 52-60 kDa



Immunohistochemistry-Anti-Beclin 1 pAb

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

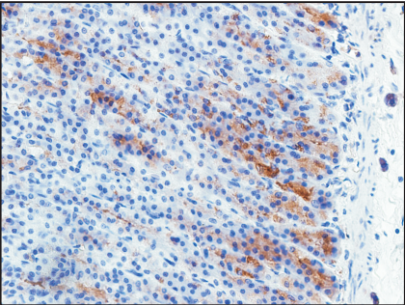
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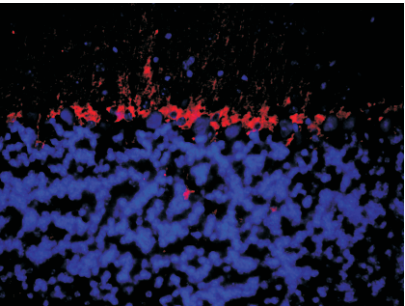
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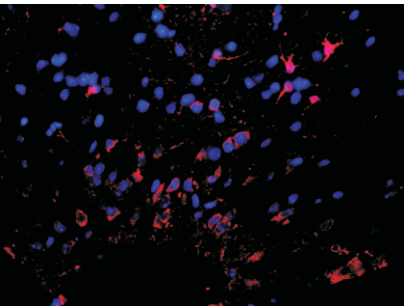
Product Information



Immunohistochemistry-Anti-Beclin 1 pAb
Immunohistochemical analysis of paraffin-embedded rat stomach using anti-Beclin 1 Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Beclin 1 pAb
Immunofluorescence analysis of paraffin-embedded mouse cerebellum using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Beclin 1 pAb
Immunofluorescence analysis of paraffin-embedded mouse brain using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

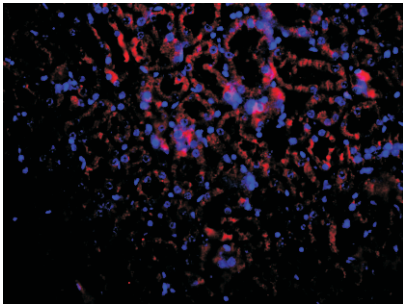
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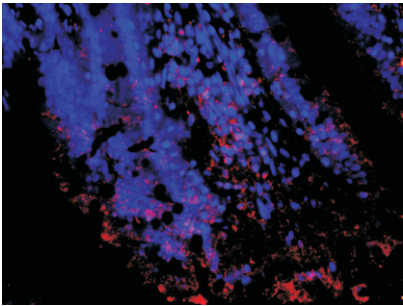
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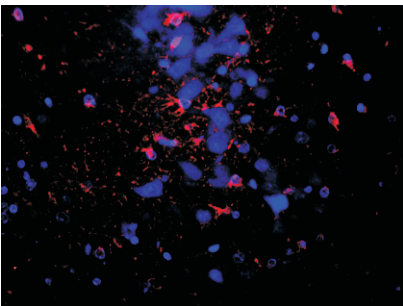
Product Images



Immunofluorescence-Anti-Beclin 1 pAb
Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Beclin 1 pAb
Immunofluorescence analysis of paraffin-embedded rat intestine using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Beclin 1 pAb
Immunofluorescence analysis of paraffin-embedded rat hippocampus using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

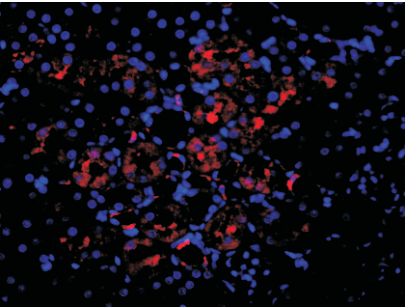
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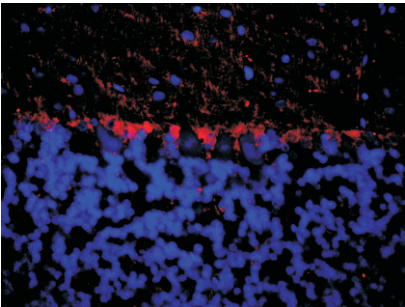
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Immunofluorescence-Anti-Beclin 1 pAb

Immunofluorescence analysis of paraffin-embedded rat kidney using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Beclin 1 pAb

Immunofluorescence analysis of paraffin-embedded rat cerebellum using anti-Beclin 1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0