

Beclin 1 Polyclonal Antibody

CATALOG NO:	3663-30T	30 µg (Trial size)
	3663-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide corresponding to residues around amino acid 25 of mouse Beclin 1 (Internal ID# BV-112)	

FORMULATION:
0.2mg/ml protein A purified rabbit anti-Beclin 1 polyclonal antibody in phosphate-buffered saline (PBS) containing 1% BSA, 50% glycerol, and 0.02% thimerosal.

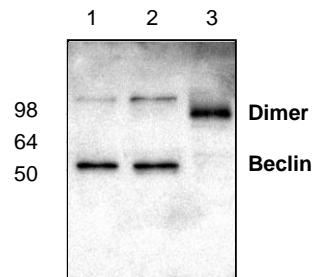
SPECIES REACTIVITY: Human, Mouse, Pig

STORAGE CONDITIONS:
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:
Beclin is a Bcl-2 binding protein. Its structure includes a Bcl-2 binding coiled-coil region, and a leucine-rich nuclear export signal (NES). Beclin protein colocalizes with intracytoplasmic organelles and nuclei in normal COS7 and MCF7 cells. Beclin interaction with Bcl-2 may be involved with host viral defense, since over expression of beclin inhibits Sindbis virus replication and expression of beclin lacking the Bcl-2 binding domain has no antiviral effects.

SPECIFICITY:
The antibody recognizes ~53 kDa beclin 1 in Jurkat cell lysate. A weak band of ~110 kDa (possibly dimer) can also be observed in Jurkat cells. In mouse intestine tissue lysate, the antibody recognizes a ~100 kDa band (possibly dimer). Reactivity to other species has not been tested.

APPLICATION:
The antibody can be used for Western blotting (0.5-2 µg/ml). However, the optimal concentrations should be determined individually. Other applications have not been tested.



Cat.# 3663-100
Western blot analysis of Beclin 1 expression in Jurkat (Lane 1,2) and mouse intestine (lane 3) lysates.

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- Nuclear Apoptosis Kits & Reagents
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- Apoptosis siRNA Vectors

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