

Beclin 1 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52755

Product Information

Application	WB
Primary Accession	Q14457
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	55 KDa

Additional Information

Other Names	APG6;ATG 6;ATG6;ATG6 autophagy related 6 homolog;Bcl-2-interacting protein beclin;Beclin 1 (coiled coil moesin like BCL2 interacting protein);Beclin 1 autophagy related;Beclin-1;Beclin1;BECN 1;BECN1;BECN1_HUMAN;Coiled coil myosin like BCL2 interacting protein; Coiled-coil myosin-like BCL2-interacting protein;GT197;Protein GT197;VPS 30;VPS30.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

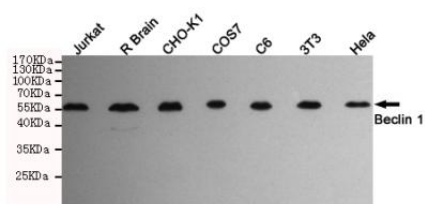
Background

Plays a central role in autophagy (PubMed: [23184933](#)). Required for the abscission step in cytokinesis (PubMed:[20208530](#)). Protects against infection by a neurovirulent strain of Sindbis virus (PubMed:[9765397](#)). May play a role in antiviral host defense.

References

- Liang X.H.,et al.J. Virol. 72:8586-8596(1998).
Aita V.M.,et al.Genomics 59:59-65(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Rommens J.M.,et al.Genomics 28:530-542(1995).
Itakura E.,et al.Mol. Biol. Cell 19:5360-5372(2008).

Images



Western blot detection of Beclin 1 in HeLa,3T3,C6,COS7,CHO-K1,Rat brain and Jurkat cell lysates using Beclin 1 mouse mAb (1:1000 diluted).Predicted band size:52KDa.Observed band size:55KDa.

Citations

- [Loss of Concurrent Regulation of the Expression of BIF-1, BAX, and Beclin-1 in Primary and Metastatic Melanoma](#)
- [Inhibition of CRL-NEDD8 pathway as a new approach to enhance ATRA-induced differentiation of acute promyelocytic leukemia cells.](#)
- [Sphingosine Kinase 1 Protects Renal Tubular epithelial cells from Renal Fibrosis via Induction of Autophagy.](#)

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