

# Beclin 1 Rabbit mAb

Catalog # AP74943

## Product Information

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Application	WB, IP
Primary Accession	<a href="#">Q14457</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	51896

## Additional Information

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Gene ID	8678
Other Names	BECN1
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

## Protein Information

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Name	BECN1
Synonyms	GT197
Function	<p>Plays a central role in autophagy (PubMed: <a href="#">18570871</a>, PubMed:<a href="#">21358617</a>, PubMed:<a href="#">23184933</a>, PubMed:<a href="#">23974797</a>, PubMed:<a href="#">25484083</a>, PubMed:<a href="#">28445460</a>, PubMed:<a href="#">37776275</a>). Acts as a core subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:<a href="#">20208530</a>, PubMed:<a href="#">20643123</a>, PubMed:<a href="#">23974797</a>, PubMed:<a href="#">26783301</a>). Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex forms. Involved in endocytosis (PubMed:<a href="#">25275521</a>). May play a role in antiviral host defense.</p>
Cellular Location	<p>Cytoplasm. Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Mitochondrion membrane; Peripheral membrane protein. Endosome {ECO:0000250 UniProtKB:O88597} Cytoplasmic vesicle, autophagosome. Note=Interaction with ATG14 promotes translocation to autophagosomes.</p>

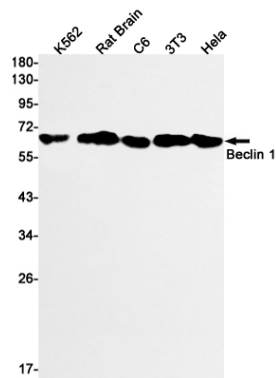
Expressed in dendrites and cell bodies of cerebellar Purkinje cells (By similarity) {ECO:0000250|UniProtKB:O88597, ECO:0000269|PubMed:19050071} [Beclin-1-C 37 kDa]: Mitochondrion {ECO:0000250|UniProtKB:O88597}

## Tissue Location

Ubiquitous.

## Images

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