

Datasheet for ABIN4997328

anti-Beclin 1 antibody (AA 160-190)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Beclin 1 (BECN1)
Binding Specificity:	AA 160-190
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Beclin 1
Clone:	7B12
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein G.

Target Details

Target:	Beclin 1 (BECN1)
Alternative Name:	Beclin 1 (BECN1 Products)

Target Details

Background:	Synonyms: Beclin-1, BECN1, Coiled-coil myosin-like BCL2-interacting protein, Protein GT197 Background: Plays a central role in autophagy (PubMed:23184933). Acts as 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:20643123, PubMed:20208530). Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex forms. Involved in endocytosis (PubMed:25275521). Protects against infection by a neurovirulent strain of Sindbis virus (PubMed:9765397). May play a role in antiviral host defense. Beclin-1-C 35 kDa localized to mitochondria can promote apoptosis, it induces the mitochondrial translocation of BAX and the release of proapoptotic factors.
Gene ID:	8678
UniProt:	Q14457
Pathways:	Autophagy

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

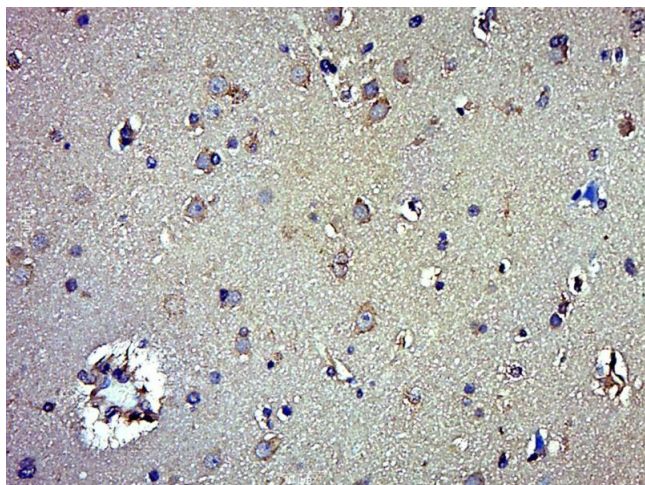
**Immunohistochemistry (Paraffin-embedded Sections)**

Image 1. Paraformaldehyde-fixed, paraffin embedded human glioma tissue; Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min; Antibody incubation with Beclin 1 (7B12) Monoclonal Antibody, Unconjugated (bsm-33323M) at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.

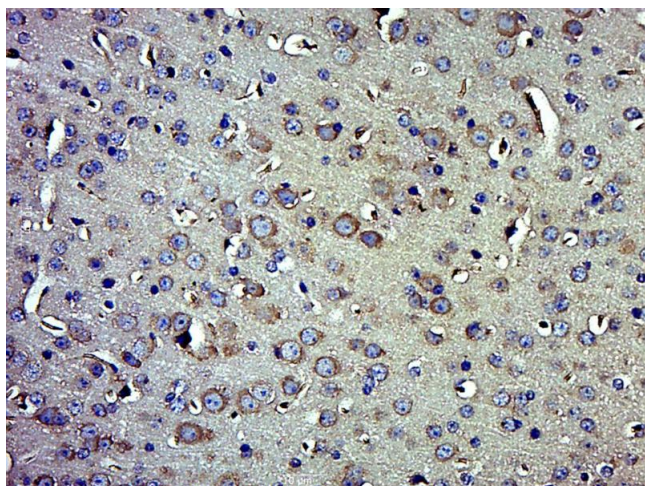
**Immunohistochemistry (Paraffin-embedded Sections)**

Image 2. Paraformaldehyde-fixed, paraffin embedded Mouse brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with Beclin 1 (7B12) Monoclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.