

Datasheet for ABIN349986
anti-Beclin 1 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	500 µg
Target:	Beclin 1 (BECN1)
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Sheep antibody to Beclin 1
Immunogen:	A synthetic peptide from human Beclin-1 conjugated to blue carrier protein has been used as the antigen. The antigen is homologous in rat and mouse.
Isotype:	IgG
Specificity:	Specific for Beclin-1.
Cross-Reactivity:	Human, Marmoset, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	Beclin 1 (BECN1)
---------	------------------

Target Details

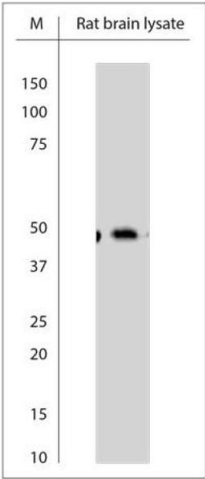
Alternative Name:	Beclin 1 (BECN1 Products)
Background:	Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation metamorphosis non-apoptotic cell death and aging. Reduced levels of autophagy have been described in some malignant tumors and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. It may play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus. May play a role in autophagy. SUBCELLULAR LOCATION: Cytoplasm. Golgi apparatus membrane, Peripheral membrane protein. Note: Expressed in dendrites and cell bodies of cerebellar Purkinje cells TISSUE SPECIFICITY: Ubiquitous
UniProt:	Q14457
Pathways:	Autophagy

Application Details

Application Notes:	IHC WB. Use at a concentration of 10-50,µg/ml. The optimal working concentration should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µl of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months



Western Blotting

Image 1. WB on rat brain lysate using Sheep antibody to Beclin-1 (400-450) at 1:200 dilution. Incubated 30 min at RT with shake. Blocking: 0.5% LFDM in 1x PBS containing 0.1% Tween-20