

Datasheet for ABIN7265872
anti-Beclin 1 antibody (pSer90)



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1 Image

Overview

Quantity:	100 µL
Target:	Beclin 1 (BECN1)
Binding Specificity:	pSer90
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-Beclin 1-Ser90 Rabbit pAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding Ser90 of human Beclin 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

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

Target Details

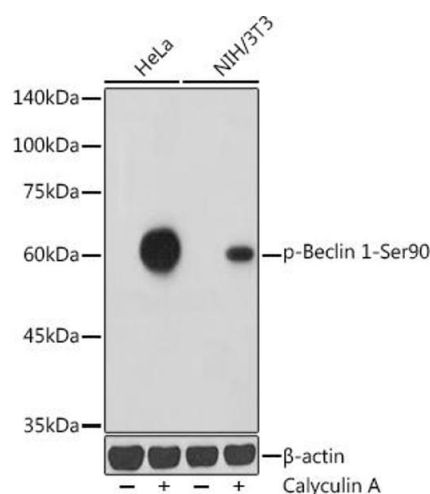
Background:	This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants.,ATG6,VPS30,beclin1,Beclin 1,BECN1,beclin-1,Apoptosis,Autophagy,Autophagy_Regulator,Cancer,Cell Biology & Developmental Biology,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Mitochondrial metabolism,Signal Transduction,Tumor suppressors,BECN1
Molecular Weight:	52kDa
Gene ID:	8678
UniProt:	Q14457
Pathways:	Autophagy

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Phospho-Beclin 1-Ser90 antibody (ABIN7265872) at 1:500 dilution. HeLa and NIH/3T3 cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.