

Beclin-1 (Phospho Ser93/96) Rabbit pAb

CatalogNo: YP1864 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, WB

MW

- 55kD (Observed)

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human Beclin-1 (Phospho Ser93/96)

Specificity This antibody detects endogenous levels of Beclin-1 only when dually phosphorylated at Ser93 or Ser96. It can also recognize dually phosphorylated form at both Ser93 and Ser96 and phosphorylated at one sites.

Target Information

Gene name BECN1 GT197

Protein Name Beclin-1 (Coiled-coil myosin-like BCL2-interacting protein) (Protein GT197)

Organism	Gene ID	UniProt ID
Human	8678 ;	Q14457 ;
Mouse	56208 ;	O88597 ;
Rat	114558 ;	Q91XJ1 ;

Cellular Localization

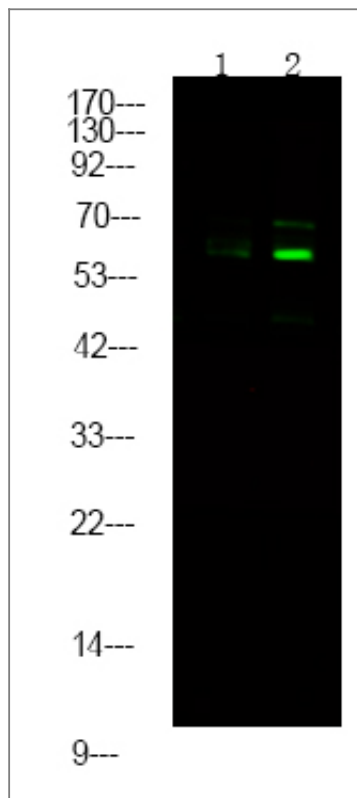
Cytoplasm . Golgi apparatus , trans-Golgi network membrane ; Peripheral membrane protein . Endosome membrane ; Peripheral membrane protein . Endoplasmic reticulum membrane ; Peripheral membrane protein . Mitochondrion membrane ; Peripheral membrane protein . Endosome . Cytoplasmic vesicle , autophagosome . Interaction with ATG14 promotes translocation to autophagosomes. Expressed in dendrites and cell bodies of cerebellar Purkinje cells (By similarity) . . ; [Beclin-1-C 35 kDa]: Mitochondrion . Nucleus . Cytoplasm . ; [Beclin-1-C 37 kDa]: Mitochondrion .

Tissue specificity Ubiquitous.

Function

Function:Plays a central role in autophagy (By similarity) . May play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus. ,similarity:Belongs to the beclin family. ,subcellular location:Expressed in dendrites and cell bodies of cerebellar Purkinje cells. ,subunit:Interacts with GOPC and GRID2. Interacts with AMBRA1. Probably forms a complex with AMBRA1 and PIK3C3 (By similarity) . Interacts with BCL2 and BCL2L1. ,tissue specificity:Ubiquitous. ,

Validation Data



Western Blot analysis of mouse spleen ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

| Contact information

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Beclin-1 (Phospho Ser93/96) Rabbit pAb

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