

**Beclin-1 (Phospho Ser93) rabbit pAb**

<b>Catalog No :</b>	YP1275
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB
<b>Target :</b>	Beclin 1
<b>Fields :</b>	>>Autophagy - other;>>Mitophagy - animal;>>Autophagy - animal;>>Apoptosis - multiple species;>>Apelin signaling pathway;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases;>>Shigellosis;>>Kaposi sarcoma-associated herpesvirus infection
<b>Gene Name :</b>	BECN1 GT197
<b>Protein Name :</b>	Beclin-1 (Ser93)
<b>Human Gene Id :</b>	8678
<b>Human Swiss Prot No :</b>	Q14457
<b>Mouse Gene Id :</b>	56208
<b>Mouse Swiss Prot No :</b>	O88597
<b>Rat Gene Id :</b>	114558
<b>Rat Swiss Prot No :</b>	Q91XJ1
<b>Immunogen :</b>	Synthesized phospho peptide around human Beclin-1 (Ser93)
<b>Specificity :</b>	This antibody detects endogenous levels of Human Beclin-1 (phospho-Ser93)
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG

<b>Dilution :</b>	WB 1:1000-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	60kD
<b>Cell Pathway :</b>	Regulation of autophagy;
<b>Background :</b>	beclin 1(BECN1) Homo sapiens 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. [provided by RefSeq, Sep 2015],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	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 .
<b>Expression :</b>	Ubiquitous.

---

## Products Images