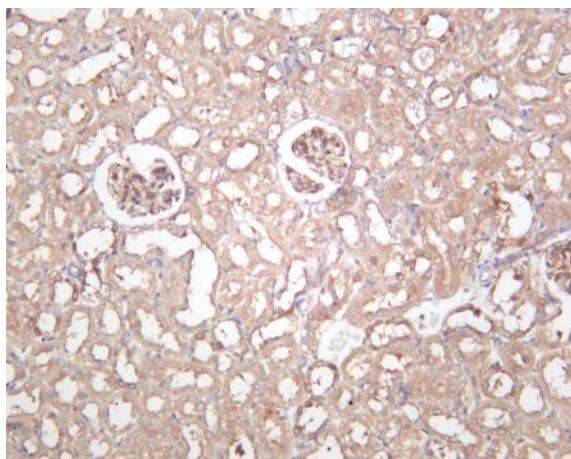


**Beclin 1 (PT0506R) PT® Rabbit mAb**

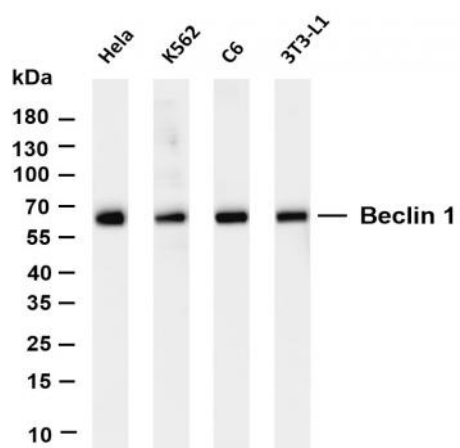
<b>Catalog No :</b>	YM8333
<b>Reactivity :</b>	Human; Mouse; Rat;
<b>Applications :</b>	WB;IHC;IF;IP;ELISA
<b>Target :</b>	Beclin 1
<b>Fields :</b>	>>Autophagy - other;>>Mitophagy - animal;>>Autophagy - animal;>>Apoptosis - multiple species;>>Apelin signaling pathway;>>Alzheimer disease;>>Amyotrophic 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 (Ser15)
<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>Specificity :</b>	endogenous
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, rabbit, IgG, Kappa
<b>Dilution :</b>	IHC 1:200-1:1000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;

<b>Purification :</b>	Protein A
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	52kD
<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
<b>Expression :</b>	Ubiquitous.

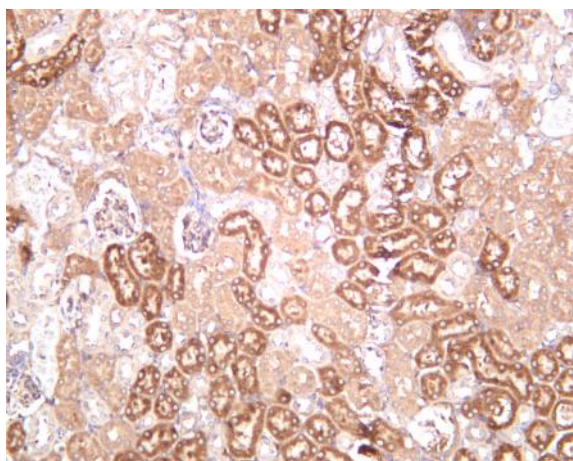
## Products Images



Rat kidney was stained with anti-Beclin 1 (PT0506R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Beclin 1 (PT0506R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: K562 Lane 3: C6 Lane 4: 3T3-L1 Predicted band size: 52kDa Observed band size: 60kDa



Mouse kidney was stained with anti-Beclin 1 (PT0506R) rabbit antibody