



Beclin 1 Rabbit mAb

Catalog No	YP-rAb-17800
Isotype	IgG
Reactivity	Human,Mouse,Rat,Chicken
Applications	WB,IHC,IF,IP,ELISA
Gene Name	BECN1 GT197
Protein Name	Beclin-1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	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; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	Beclin 1;Beclin-1;Beclin-1 (Coiled-coil myosin-like BCL2-interacting protein) (Protein GT197);BECN1 GT197
Observed Band	60kD
Calculated Molecular Weight	52kD
Cell Pathway	Cytoplasm
Tissue Specificity	Ubiquitous.
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.,
Background	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,



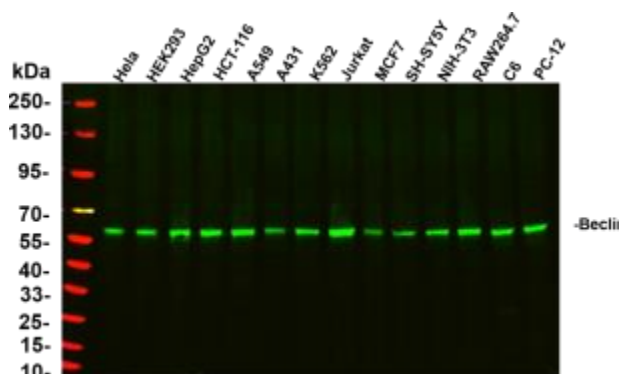
neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],

matters needing attention

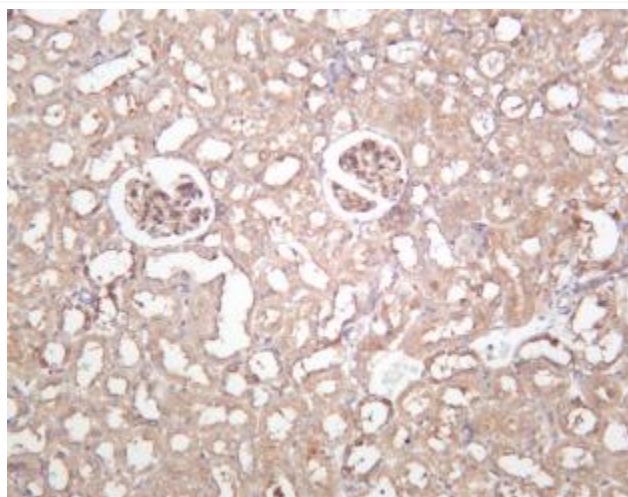
Avoid repeated freezing and thawing!

Usage suggestions

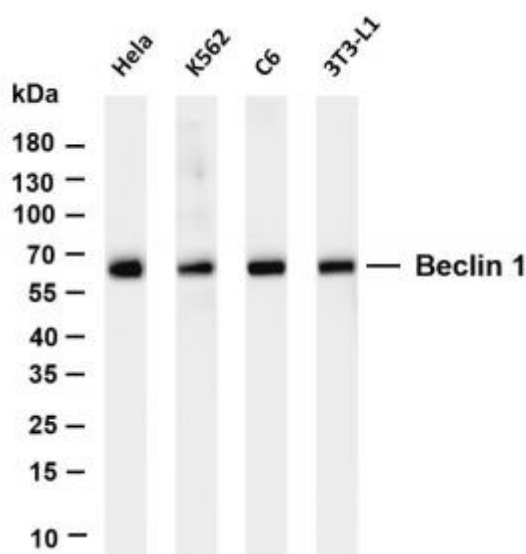
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody

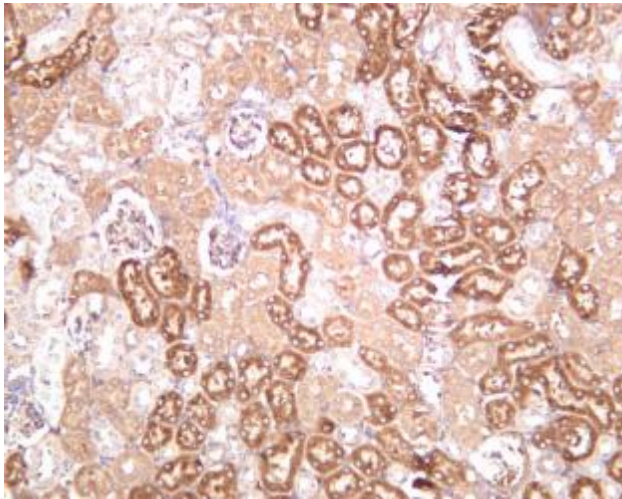


Rat kidney was stained with anti-Beclin 1 rabbit antibody

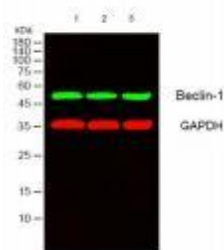


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Beclin 1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: K562 Lane 3: C6 Lane 4: 3T3-L1 Predicted band size: 52kDa Observed band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





Mouse kidney was stained with anti-Becn1 rabbit antibody



Western blot analysis of lysates from 1) mouse-brain , 2) mouse-lung, 3) Hela cells, (Green) primary antibody was diluted at 1:1000, 4 ° over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37 ° 1hour. (Red) GAPDH Monoclonal Antibody(2B8) (cat:YM3029) antibody was diluted at 1:5000 as loading control, 4 ° over night,secondary antibody(cat:RS23710)was diluted at 1:10000, 37 ° 1hour.

