bs-1353R

[Primary Antibody]

Beclin 1 Rabbit pAb



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- DATASHEET			
Host: Ral	obit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Pol	yclonal		IHC-P (1:200-1000) IHC-F (1:200-1000)
GenelD: 867	78	SWISS: Q14457	IF (1:200-1000)
Target: Bee	clin 1		Reactivity: Human Mouse Rat Pig
Immunogen: KLH conjugated synthetic peptide derived from human BECN1: 201-330/450.			
Purification: affi	nity purified by Protein A		
Concentration: 1mg/ml			Predicted MW.: ^{50 kDa}
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.			Subcellular Cell membrane ,Cytoplasm Location:
Background: Beclin 1 is the first identified mammalian gene to mediate autophagy and also has tumor suppressor and antiviral function. Autophagy, a process of bulk protein degradation through an autophagosomic lysosomal pathway, is important for differentiation, survival during nutrient deprivation, and normal growth control, and is often defective in tumor cells. Beclin 1 was originally isolated in a yeast two hybrid screen to identify Bcl 2 binding partners and maps to a tumor susceptibility locus on human chromosome 17q21 that is frequently monoallelically deleted in human breast, ovarian and prostate cancer. Beclin 1 encodes an evolutionarily conserved 52kDa coiled coil protein that is expressed in human muscle, epithelial cells and neurons.			

- VALIDATION IMAGES





Sample: Pig Primary: Anti-Beclin-1 (bs-1353R) at 1:500 dilution;

25 ug total protein per lane of various lysates (see on figure) probed with Beclin 1 polyclonal antibody, unconjugated (bs-1353R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Beclin-1



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beclin 1 Polyclonal Antibody, Unconjugated (bs-1353R) at 1:800 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

incubation with (Beclin 1) Polyclonal Antibody, Unconjugated (bs-1353R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining. Polyclonal Antibody, Unconjugated(bs-1353R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

- SELECTED CITATIONS -

- [IF=16.016] Jilong Zhou. et al. ATG7-mediated autophagy facilitates embryonic stem cell exit from naive pluripotency and marks commitment to differentiation. 2022 Mar 20 WB ;MOUSE. 35311460
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- [IF=10.171] Wan Zhou. et al. Retinol binding protein 4 promotes the phenotypic transformation of vascular smooth muscle cells under high glucose condition via modulating RhoA/ROCK1 pathway. TRANSL RES. 2023 Mar;: WB ;Rat. 37003483
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- [IF=8.5] Liu-Lu Gao. et al. Acteoside suppresses hepatocellular carcinoma progression via modulation of macrophage migration inhibitory factor and mitogen-activated protein kinase proteins. INT J BIOL MACROMOL. 2025 Jun;:145579 WB ;Human,Mouse. 40582652