

Anti-Beclin 1 Rabbit pAb

货号: PN0149

产品信息

全称	Anti-Beclin 1 Rabbit pAb
别名	Coiled-coil myosin-like BCL2-interacting protein, Protein GT197, BECN1, GT197, APG6, VPS30, Protein GT197, beclin1, beclin-1
抗体来源/类型	Rabbit Polyclonal
交叉反应	Human,mouse, Rat (predicted: ,Pig, Chicken, Zebrafish, Hamster, Goat, Fish, Duck)
产品应用	WB: 1:1000-10000, IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC-P: 1:50-500, IF-P: 1:50-500, IF-FRO: 1:50-500, IF/ICC : 1:200-1:800
理论/实际分子量	52kDa / 52~60kDa
细胞定位	细胞质, 细胞核
性 状	Liquid
浓 度	600ug/ml
免 疫 原	Beclin 1 fusion protein Ag1843
亚 型	IgG
纯化方法	Antigen affinity purification
Uniprot ID	Q14457
缓 冲 液	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
保存条件	Store at -20°C. Stable for one year after shipment. Aliquoting is unnecessary for -20oC storage.
注意事项	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

背景

Beclin 1, also known as ATG6 or VPS30, interacts with various cofactors (e.g. Ambra1, Barkor (Atg14), Rubicon, or UVRAG) to regulate the lipid kinase Vps34 and promote the formation of the BECLIN1-Vps34-Vps15 complex, hence inducing autophagy. Its function (via the BH3 domain) is inhibited by Bcl-2 or Bcl-XL. Beclin 1 (BECN1) is a crucial molecule in the control of the autophagic activity, and its activity is regulated by multiple mechanisms, including the post-translational modification, protein-protein interaction, and subcellular localization. It plays a role in crosstalk between apoptosis and autophagy. It has been reported that Beclin 1 can be cleaved into frag

ments of 50, 37 and 35 kDa during apoptosis. It is involved in many disorders, including neurodegeneration and cancer (tumorigenesis). Beclin 1 is a mammalian tumor suppressor, and its gene is monoallelically deleted in 75% of ovarian, 50% of breast, and 40% of prostate cancers. Decreased expression of Beclin 1 has also been observed in human brain and lung tumors. The level of Beclin 1 was decreased in the affected brain regions of patients with Alzheimer's disease early in the disease process. Recent studies have also shown that gain and loss of Beclin 1 function affects the death of heart cells.

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