

Phospho-ULK1 (Ser758) (YD20251) Rabbit mAb

货号: **AYD12609**

产品信息

反应	Mouse
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IP
推荐浓度	
理论分子量	112kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cytoplasm, cytosol, Preautophagosomal structure
纯化	

抗原信息

抗原信息	
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靶点信息

研究背景	Serine/threonine-protein kinase involved in autophagy in response to starvation (PubMed:10624947, PubMed:19258318, PubMed:21205641, PubMed:21258367, PubMed:21460634, PubMed:25040165, PubMed:25723488). Acts upstream of phosphatidylinositol 3-kinase PIK3C3 to regulate the formation of autophagophores, the precursors of autophagosomes (PubMed:10624947, PubMed:19258318, PubMed:21205641, PubMed:21258367, PubMed:21460634, PubMed:25040165). Part of regulatory feedback loops in autophagy: acts both as a downstream effector and negative regulator of mammalian target of rapamycin complex 1 (mTORC1) via interaction with RPTOR (PubMed:21205641, PubMed:21258367). Activated via phosphorylation by AMPK and also acts as a regulator of AMPK by mediating phosphorylation of AMPK subunits PRKAA1, PRKAB2 and PRKAG1, leading to negatively regulate AMPK activity (PubMed:21460634). May phosphorylate ATG13/KIAA0652 and RPTOR; however such data need additional evidences (PubMed:19258318). Plays a role early in neuronal differentiation and is required for granule cell axon formation (By similarity). Also phosphorylates SESN2 and SQSTM1 to regulate autophagy (PubMed:25040165, PubMed:25723488). Phosphorylates FLCN, promoting autophagy (By similarity). Phosphorylates AMBRA1 in response to autophagy induction, releasing AMBRA1 from the cytoskeletal docking site to induce autophagosome nucleation (By similarity). Phosphorylates ATG4B, leading to inhibit autophagy by decreasing both proteolytic activation and delipidation activities of ATG4B (By similarity)
基因ID	3134
基因名	Ulk1
Swiss	O70405
别名	Phospho-ULK1 (Ser758) (YD20251)

产品验证

实验步骤

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