

# PDPK1 Rabbit mAb

货号: **AYM28620**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC IF/ICC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IHC:</b> 1:50 - 1:200 <b>IF/ICC:</b> 1:50 - 1:200
理论分子量	48kDa/50kDa/58kDa/60kDa/63kDa
实测分子量	63kDa
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	293
细胞定位	Cell junction,Cell membrane,Cytoplasm,Nucleus,Peripheral membrane protein,focal adhesion
纯化	Affinity purification

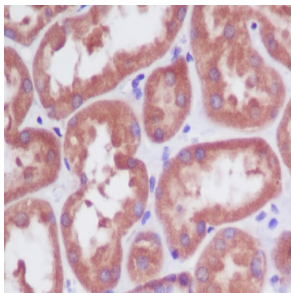
## 抗原信息

抗原信息	Recombinant fusion protein corresponding to Human PDPK1.
序列	

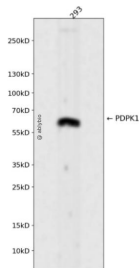
## 靶点信息

研究背景	Serine/threonine kinase which acts as a master kinase, phosphorylating and activating a subgroup of the AGC family of protein kinases. Plays a central role in the transduction of signals from insulin by providing the activating phosphorylation to PKB/AKT1, thus propagating the signal to downstream targets controlling cell proliferation and survival, as well as glucose and amino acid uptake and storage. Negatively regulates the TGF-beta-induced signaling. Activates PPARγ transcriptional activity and promotes adipocyte differentiation. Activates the NF-κB pathway via phosphorylation of IKKβ. The tyrosine phosphorylated form is crucial for the regulation of focal adhesions by angiotensin II. Controls proliferation, survival, and growth of developing pancreatic cells. Participates in the regulation of Ca <sup>2+</sup> entry and Ca <sup>2+</sup> -activated K <sup>+</sup> channels of mast cells. Essential for the motility of vascular endothelial cells (ECs) and is involved in the regulation of their chemotaxis. Plays a critical role in cardiac homeostasis by serving as a dual effector for cell survival and beta-adrenergic response. Plays an important role during thymocyte development by regulating the expression of key nutrient receptors on the surface of pre-T cells and mediating Notch-induced cell growth and proliferative responses. Provides negative feedback inhibition to toll-like receptor-mediated NF-κB activation in macrophages. Isoform 3 is catalytically inactive.
基因ID	5170
基因名	PDPK1
Swiss	O15530
别名	PDPK1;PDK1;PDPK2;PDPK2P;PRO0461

## 产品验证



Immunohistochemical analysis of paraffin-embedded human kidney, using PDPK1 Antibody.



Western blot analysis of PDPK1 expressed in 293 using PDPK1 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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