— ABLYBIO, Help Your Research

Phospho-PDK1/PDPK1-S241 Rabbit pAb

货号: AYP12999

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Mus musculus
应用	WB ICC IHC
推荐浓度	**WB:** 1:500 - 1:2000 **IF/ICC:** 1:50 - 1:200 **IHC:** 1:50 - 1:200
理论分子量	48kDa/50kDa/58kDa/60kDa/63kDa
实测分子量	60-70kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	NIH/3T3
细胞定位	Cell junction,Cell membrane,Cytoplasm,Nucleus,Peripheral membrane protein,focal adhesion
纯化	Affinity purification

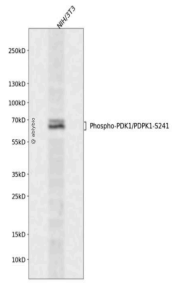
抗原信息

抗原信息	A synthetic phosphorylated peptide around S241 of human PDK1/PDPK1 (NP_002604.1).

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 controllin g cell proliferation and survival, as well as glucose and amino acid uptake and storage. Negatively regulat es the TGF-beta-induced signaling . Activates PPARG transcriptional activity and promotes adipocyte diffe rentiation. Activates the NF-kappa-B pathway via phosphorylation of IKKB. The tyrosine phosphorylated fo rm is crucial for the regulation of focal adhesions by angiotensin II. Controls proliferation, survival, and gr owth of developing pancreatic cells. Participates in the regulation of Ca(2+) entry and Ca(2+)-activated K (+) channels of mast cells. Essential for the motility of vascular endothelial cells (ECs) and is involved in t he 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-indu ced cell growth and proliferative responses. Provides negative feedback inhibition to toll-like receptor-me diated NF-kappa-B activation in macrophages. Isoform 3 is catalytically inactive.
基因ID	5170
基因名	PDPK1
Swiss	O15530 (https://www.uniprot.org/uniprotkb/O15530/entry)
别名	PDPK1,PDK1,PDPK2,PDPK2P,PRO0461,Phospho-PDK1/PDPK1-S241 Rabbit pAb

产品验证



Western blot analysis of Phospho-PDK1/PDPK1-S241 expressed in NIH/3T3 using Phospho-PDK1/PDPK1-S2 41 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/protein s: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure tim e: 120s.

实验步骤

访问官网浏览详情: www.ablybio.cn (https://www.ablybio.cn//www.ablybio.cn)