

**产品名称: Phospho-GSK3 (Tyr216/Tyr279) Rabbit
Monoclonal Antibody**
产品货号: AMRe84927



产品概述 (Summary)

产品名称 (Production Name)	Phospho-GSK3 (Tyr216/Tyr279) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	Phospho-GSK3 (Tyr216/Tyr279)
别名 (Alternative Names)	Serine/threonine-protein kinase GSK3A; Serine/threonine-protein kinase GSK3B
基因 ID (Gene ID)	2931/2932
蛋白 ID (SwissProt ID)	P49840/P49841.A synthetic phosphopeptide corresponding to residues surrounding Tyr216 of human GSK3 alpha

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IP 1:10-1:20
蛋白分子量 (Molecular Weight)	Calculated MW: 51 kDa; Observed MW: 47-51 kDa

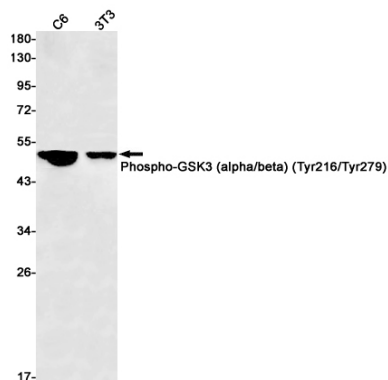
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研究背景 (Background)

Constitutively active protein kinase that acts as a negative regulator in the hormonal control of glucose homeostasis, Wnt signaling and regulation of transcription factors and microtubules, by phosphorylating and inactivating glycogen synthase (GYS1 or GYS2), CTNNB1/beta-catenin, APC and AXIN1. Requires primed phosphorylation of the majority of its substrates. Contributes to insulin regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis. Regulates glycogen metabolism in liver, but not in muscle. May also mediate the development of insulin resistance by regulating activation of transcription factors. In Wnt signaling, regulates the level and transcriptional activity of nuclear CTNNB1/beta-catenin. Facilitates amyloid precursor protein (APP) processing and the generation of APP-derived amyloid plaques found in Alzheimer disease. May be involved in the regulation of replication in pancreatic beta-cells. Is necessary for the establishment of neuronal polarity and axon outgrowth. Through phosphorylation of the anti-apoptotic protein MCL1, may control cell apoptosis in response to growth factors deprivation.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of Phospho-GSK3 (alpha/beta) (Tyr216/Tyr279) in C6, 3T3 lysates using Phospho-GSK3 (Tyr216/Tyr279) antibody.

注意事项 (Note)

For research use only .