

PHOSPHO-GSK3 (TYR216/TYR279) RABBIT MAB

货号: N262306

产品全名: Phospho-GSK3 (Tyr216/Tyr279) 兔单克隆抗体

基因符号 Serine/threonine-protein kinase GSK3A; Serine/threonine-protein kinase GSK3B

UNIPROT ID: P49840/P49841

背景: 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.

抗原: A synthetic phosphopeptide corresponding to residues surrounding Tyr216 of human GSK3 alpha

经过测试的应用: WB,IP

推荐稀释比: WB: 1/500-1/1000 IP: 1/20

种属反应性: Rabbit

克隆性: Rabbit Monoclonal

克隆编号: R01-5G6

分子量: Calculated MW: 51 kDa; Observed MW: 47-51 kDa

亚型: IgG

纯化: Affinity Purified

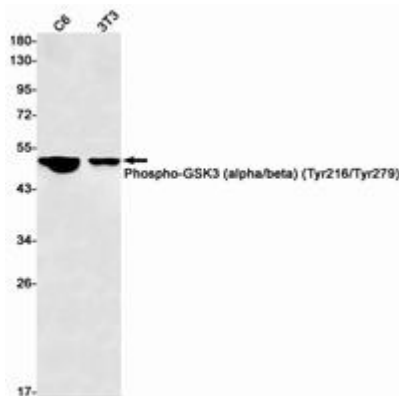
种属反应性: Mouse,Rat

Modification: Phosphorylated

成分: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

研究领域: Neuroscience

储存和运输: Store at -20°C . Avoid repeated freezing and thawing



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