

产品名称: GSK3 alpha Mouse Monoclonal Antibody
产品货号: AMM80591



产品概述 (Summary)

产品名称 (Production Name)	GSK3 alpha Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB, ICC, ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
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)	PBS containing 0.03% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GSK3 alpha
别名 (Alternative Names)	DKFZp686D0638; GSK3A
基因 ID (Gene ID)	2931.0
蛋白 ID (SwissProt ID)	P49840. Purified recombinant fragment of GSK3 alpha expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC 1:200-1:1000, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	51kDa

研究背景 (Background)

Glycogen synthase kinase 3 alpha belongs to the Ser/Thr family of protein kinases, Cdc2/cdkx subfamily; GSK3 subsubfamily. It is implicated in the hormonal control of several regulatory proteins including glycogen synthase, myb, and

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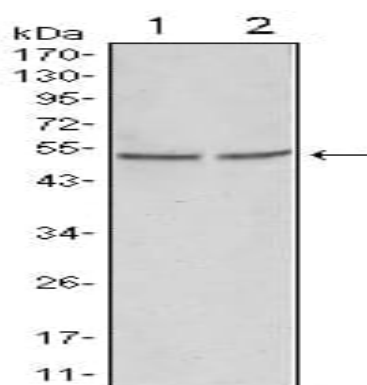


the transcription factor c jun. GSK3 phosphorylates glycogen synthase and thereby inactivates it. Insulin stimulates the dephosphorylation of glycogen synthase at the sites phosphorylated by GSK3 and subsequently inhibits GSK3 acutely leading to the stimulation of glycogen synthesis. GSK3 signaling is performed by two isoforms, GSK3 alpha and GSK3 beta. The two isoforms share 97% sequence similarity within their catalytic domains. GSK3 has also been shown to play a role in protein synthesis, cell adhesion, cell proliferation, cell differentiation, microtubule dynamics and cell motility.

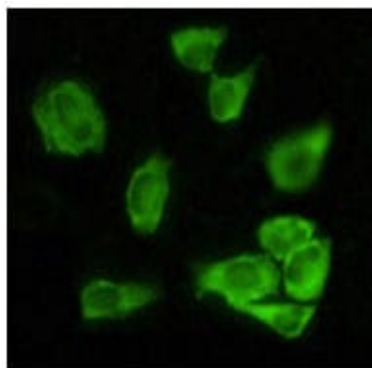
研究领域 (Research Area)

Wnt signaling pathway

图片 (Image Data)



Western blot analysis using GSK3 alpha mouse mAb against Hela (1) and PC-3 cell lysate.



Immunofluorescence analysis of Hela cells using GSK3 alpha mouse mAb showing cytoplasmic localization.

注意事项 (Note)

For research use only .