

Mouse Monoclonal Antibody to GSK3 alpha

Catalogue Number	sAP-0070
Target Molecule	Name: GSK3 alpha Aliases: DKFZp686D0638; GSK3A MW: N/A Entrez Gene ID: 2931
Description	GSK3 alpha (Glycogen synthase kinase 3 alpha), with 483-amino acid protein (about 53kDa), belongs to the Ser/Thr family of protein kinases, Cdc2/cdkx subfamily, GSK3 subsubfamily, which also includes GSK3 beta. GSK3 is a multifunctional serine/threonine kinase that is usually inactivated by serine phosphorylation in response to extracellular cues. GSK3 is a key regulator of numerous signalling pathways, including cellular responses to Wnt, receptor tyrosine kinases and G-protein-coupled receptors and is involved in a wide range of cellular processes, ranging from glycogen metabolism to cell cycle regulation and proliferation. GSK3 alpha is implicated in the control of several regulatory proteins including glycogen synthase and transcription factors.
Immunogen	Purified recombinant fragment of GSK3 alpha expressed in E. Coli.
Reactive Species	Human
Clone	MM6G2F1;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Bradley W. Doble and James R. Woodgett. J. Cell Sci., Apr 2003; 116: 1175. ; 2. C. Laura Sayas , Aafke Ariaens, Bas Ponsioen. Mol. Biol. Cell, Apr 2006; 17: 1834 – 1844. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**