

Product Name: GSK3 alpha Mouse Monoclonal Antibody
Catalog #: AMM80557

Summary

Production Name	GSK3 alpha Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	GSK3 alpha
Alternative Names	DKFZp686D0638; GSK3A
Gene ID	2931.0
SwissProt ID	P49840. Purified recombinant fragment of GSK3 alpha expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,ELISA:1:10000
Molecular Weight	/

Background

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

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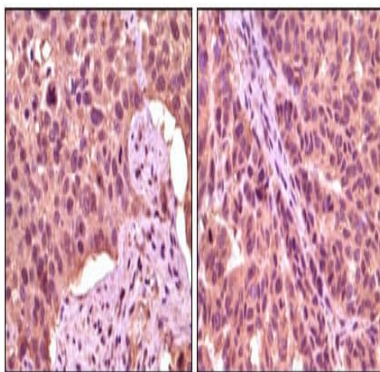


serine/threonine kinase that is usually inactivated by serine phosphorylation in response to extracellular cues. GSK3 is a key regulator of numerous signalling pathways, including cellular responses to Wnt, receptor tyrosine kinases and G-protein-coupled receptors and is involved in a wide range of cellular 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.

Research Area

Wnt signaling pathway

Image Data



Immunohistochemical analysis of paraffin-embedded human lung carcinoma (left) and skin carcinoma (right), showing cytoplasmic localization using GSK3 alpha mouse mAb with DAB staining.

Note

For research use only.