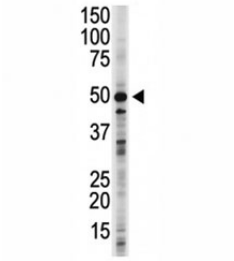
GSK3B Antibody (F51046)

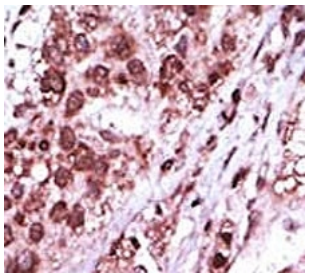
Catalog No.	Formulation	Size
F51046-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51046-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P49841
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This GSK3B antibody is available for research use only.



GSK3B antibody used in western blot to detect GSK3B in 293 cell lysate. Predicted molecular weight ~50 kDa.



IHC analysis of FFPE human hepatocarcinoma tissue stained with the GSK3B antibody

Description

GSK3B is a 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), EIF2B, CTNNB1/beta-catenin, APC, AXIN1, DPYSL2/CRMP2, JUN, NFATC1/NFATC, MAPT/TAU and MACF1. May also mediate the development of insulin resistance by regulating activation of transcription factors. [UniProt]

Application Notes

Titration of the GSK3B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 4-34 from the human protein was used as the immunogen for this GSK3B antibody.

Storage

Aliquot the GSK3B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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