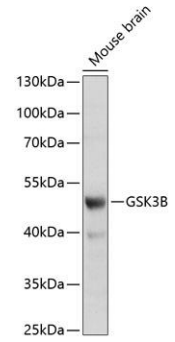
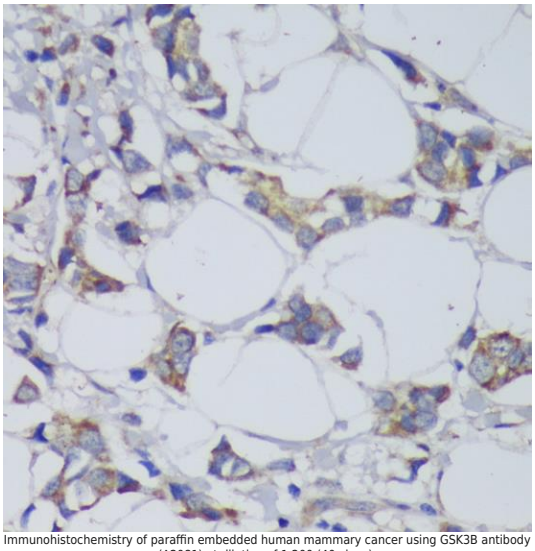
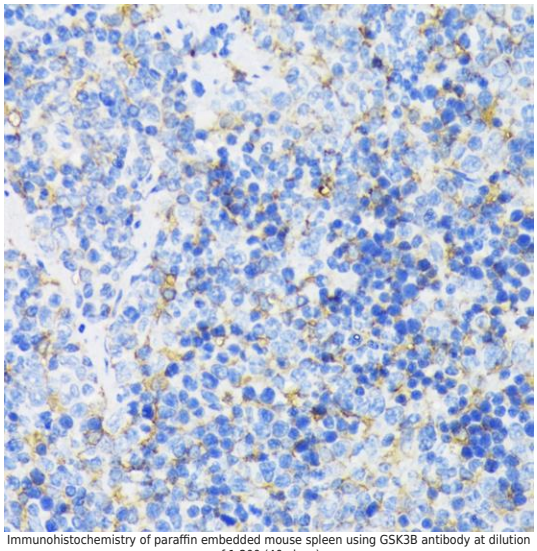
Product name:	GSK3B
Cat number:	MAB-94578
Size:	100 ug
Clone:	GS-02
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide of human GSK3B
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunoprecipitation: 1:50 - 1:200
Molecular Weight:	46kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles
Background:	The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



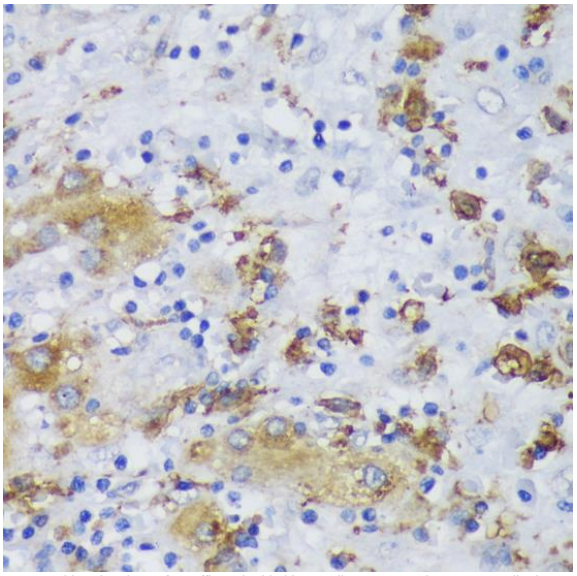
Western blot analysis of extracts of mouse brain, using GSK3B antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti- Rabbit IgG (H+L)at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 90s.



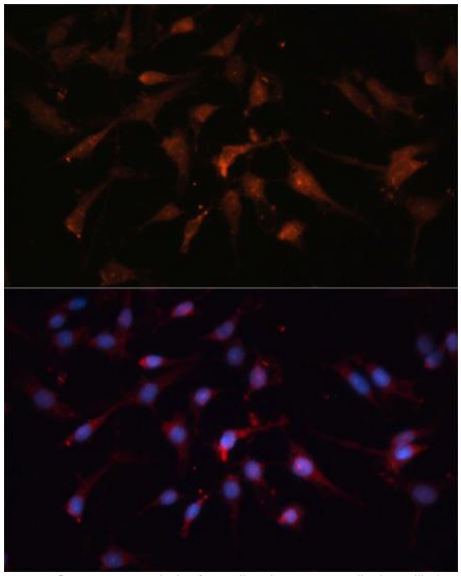
Immunohistochemistry of paraffin embedded human mammary cancer using GSK3B antibody (A2081) at dilution of 1:200 (40x lens).



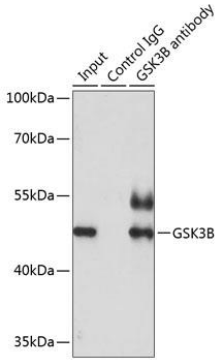
Immunohistochemistry of paraffin embedded mouse spleen using GSK3B antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin embedded human liver cancer using GSK3B antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of C6 cells using GSK3B antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug GSK3B antibody. Western blot was performed from the Immunoprecipitate using GSK3B antibody at a dilition of 1:1000.