

**Product Name: GSK3 beta (9B1) Mouse Monoclonal Antibody**  
**Catalog #: AMM03604**



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## Summary

<b>Production Name</b>	GSK3 beta (9B1) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC-P
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	GSK3B
<b>Alternative Names</b>	GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase
<b>Gene ID</b>	2932
<b>SwissProt ID</b>	P49841

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IHC: 1/50-1/100
<b>Molecular Weight</b>	Calculated MW: 47 kDa; Observed MW: 47 kDa

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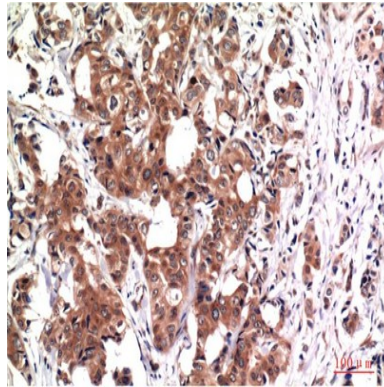
## Background

Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. In skeletal muscle, it contributes to insulin regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis.

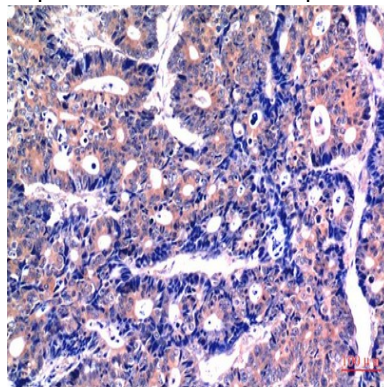
## Research Area

Neuroscience

## Image Data

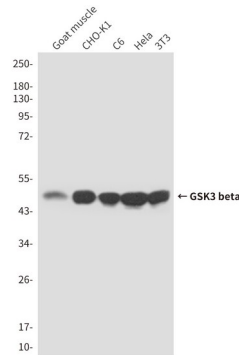


Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using GSK3 beta (9B1) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

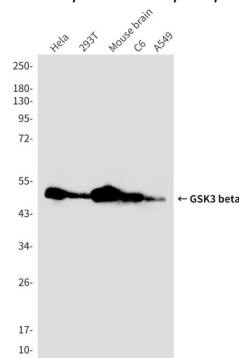


Immunohistochemical analysis of paraffin-embedded Human tonsils using GSK3 beta (9B1) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Western blot analysis of GSK3 beta (9B1) in Goat muscle, CHO-K1, C6, HeLa, 3T3 lysates using GSK3 beta (9B1) antibody



Western blot analysis of GSK3 beta (9B1) in HeLa, 293T, mouse brain, C6, A549 lysates using GSK3 beta (9B1) antibody.

**Note**

For research use only.