

**Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody**  
Our Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) rabbit polyclonal  
phosphospecific primary antibody  
Catalog # AN1423

### Specification

#### Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody - Product Information

Primary Accession	<a href="#">P18266</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	46742

#### Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody - Additional Information

Gene ID **84027**

##### Other Names

Glycogen Synthase Kinase 3 Beta antibody, Glycogen synthase kinase-3 beta antibody, GSK 3 beta antibody, GSK-3 beta antibody, GSK3B antibody, GSK3B\_HUMAN antibody, GSK3beta isoform antibody, Serine/threonine-protein kinase GSK3B antibody

##### Target/Specificity

Glycogen synthase kinase 3 (GSK3) is a serine/threonine kinase that is involved in the regulation of many signaling pathways. To date, 2 isoforms have been identified: GSK3 $\alpha$  and GSK3 $\beta$ . Specifically, GSK3 $\beta$  has been shown to play a key inhibitory role in both the insulin and Wnt signaling pathways (Papkoff and Aikawa 1998). It has been suggested that Ser-9 phosphorylation underlies the inhibition of GSK3 $\beta$  by insulin (Sutherland et al., 1993).

##### Format

Antigen Affinity Purified from Pooled Serum

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

##### Precautions

Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

##### Shipping

Blue Ice

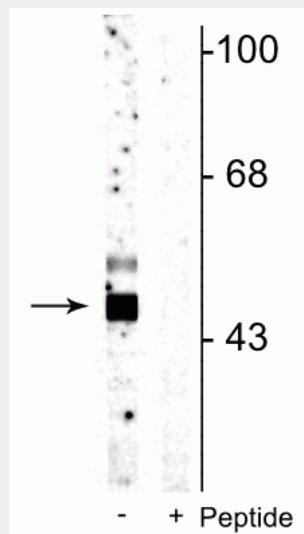
#### Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody - Images



Western blot of rat cortical lysate showing specific immunolabeling of the ~46 kDa GSK3 $\beta$  protein phosphorylated at Ser9 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).

#### Anti-Glycogen synthase kinase 3 B (GSK3B) (Ser9) Antibody - Background

Glycogen synthase kinase 3 (GSK3) is a serine/threonine kinase that is involved in the regulation of many signaling pathways. To date, 2 isoforms have been identified: GSK3 $\alpha$  and GSK3 $\beta$ . Specifically, GSK3 $\beta$  has been shown to play a key inhibitory role in both the insulin and Wnt signaling pathways (Papkoff and Aikawa 1998). It has been suggested that Ser-9 phosphorylation underlies the inhibition of GSK3 $\beta$  by insulin (Sutherland et al., 1993).