

Anti-GSK3 β

Mouse Monoclonal Antibody

Catalog # **G09-60M**

Lot # V058-1

Cited Applications

- Western blot (1:1000)

Ideal working dilutions for each application should be empirically determined by the investigator.

Specificity

Recognizes the only the GSK3 β protein

Cross Reactivity

- Western blot GSK3 β from human and mouse cells

GSK3 β from other species may also be detectable

Host/Isotype/Clone#

Mouse, IgG1, 6C2

Immunogen

Recombinant full length human GSK3 β protein

Formulation

0.1M TRIS at pH 8.0, 0.1M glycine

Stability

Store at 4°C (add 0.1% NaN₃) for several months, and at -20°C for longer periods. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles.

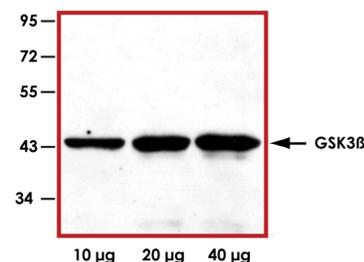
Scientific Background

GSK3 β is a serine threonine protein kinase that was originally identified as the kinase that phosphorylates and inhibits glycogen synthase (1). GSK3 β is ubiquitously present in human tissues and implicated in the regulation of several physiological processes, including the control of glycogen and protein synthesis by insulin, modulation of the transcription factors AP-1 and CREB.

References

1. Sutherland C. et al: Inactivation of glycogen synthase kinase 3 beta by phosphorylation: new kinase connections in insulin and growth-factor signalling. *Biochem J.* 1993 Nov 15;296(Pt1):15-9.

Sample Data



Representative western blot with Anti-GSK3 β (1:1000) using 10 μ g, 20 μ g, and 40 μ g of HeLa cell lysate.

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Specific Lot Number

V058-1

Purification

Affinity purified using Protein G

Concentration

1.0 μ g/ μ L

Stability

1yr At -20°C from date of shipment

Storage & Shipping

Store product at -20°C. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on ice packs.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
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