

# Anti-GSK3 beta Mouse mAb

Purified Mouse Monoclonal Antibody

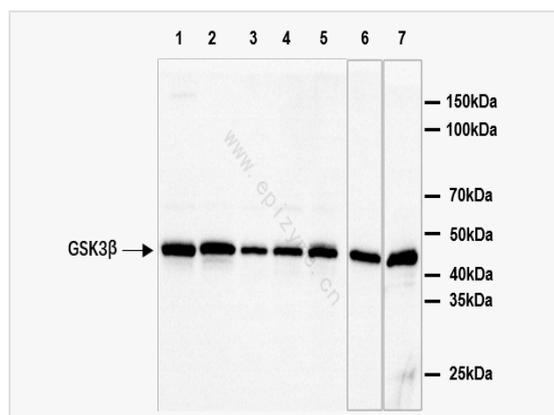
Catalog # M013198

## Product Information

Application	WB, ELISA
Reactivity	Mouse (Cell), Rat, Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	53M81L36
Isotype	IgG2a
Label	Unconjugated
Immunogen	Purified recombinant GSK-3 $\beta$ protein fragments expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GSK3 beta antibody [53M81L36] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	GSK3B, Glycogen synthase kinase-3 beta, GSK-3 beta, Serine/threonine-protein kinase GSK3B.
Calculated MW	46 kDa
Uniprot ID	P49841
Gene ID	2932
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.



Western Blot - Anti-GSK3 beta Mouse mAb [53M81L36]

All lanes: M013198 at 1:1,000 dilution

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 6: Rat intestinewhole tissue lysates

Lane 7: Balb/c mouse lung whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 46 kDa

Observed band size: 46 kDa

Developed using the ECL technique (Cat. No. SQ201).