Anti-GSK3 beta Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M900044

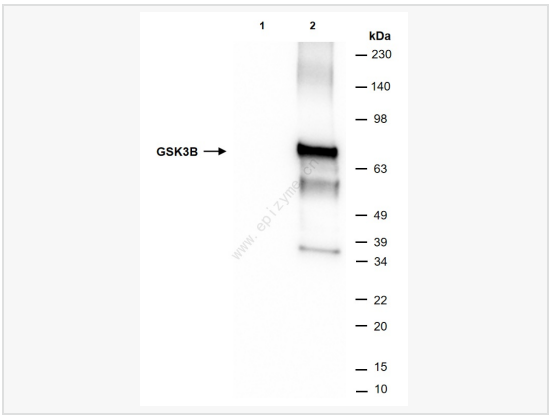
Product Information

Application	WB, ELISA
Reactivity	Transfected (Human)
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	28Q86A95
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human GSK3 beta
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
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 Mouse mAb [28Q86A95] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B; GSK3B.
Calculated MW	Calculated MW: 46 kDa
Uniprot ID	P49841
Gene ID	2932
Background	The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease. [provided by RefSeq, Aug 2017]
Cellular Location	Cytoplasm Nucleus Cell membrane Note: The phosphorylated form shows localization to cytoplasm and cell membrane (PubMed:20937854).
Tissue Location	Expressed in testis, thymus, prostate and ovary and weakly expressed in lung, brain and kidney. Colocalizes with EIF2AK2/PKR and TAU in the Alzheimer disease (AD) brain.

Validation Images



Western Blot - Anti-GSK3 beta Mouse mAb [28Q86A95]
All lanes: M900044 at 1:1,000 dilution
Lane 1: Whole-cell lysates from 293T cells
Lane 2: Lysates from 293T cells overexpressing GFP-Flag-GSK3 beta
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: 75 kDa
Observed band size: 75 kDa
Developed using the ECL technique (Cat. No. SQ201).