

Anti-GSK3 beta Mouse mAb

Purified Mouse Monoclonal Antibody

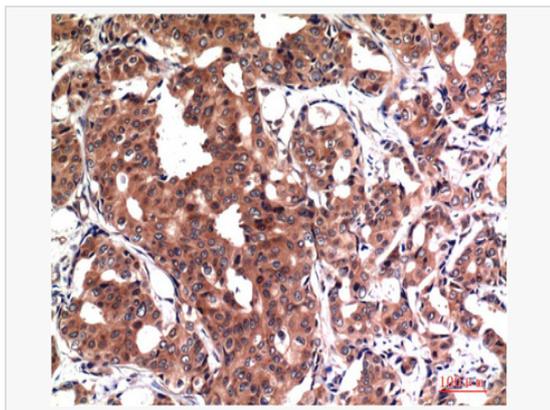
Catalog # M012561

Product Information

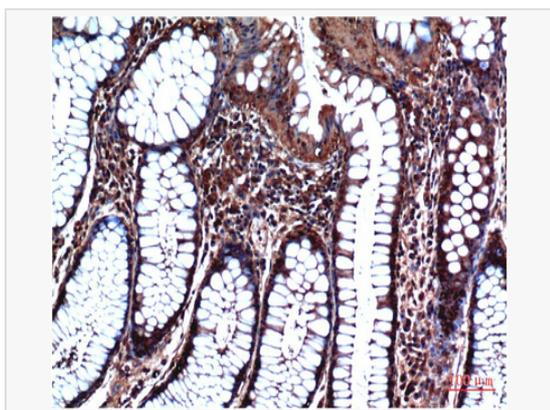
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat, Mouse (Cell)
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	82L95K12
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH.
Format	Buffer System: Liquid in PBS containing 50% 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 [82L95K12] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

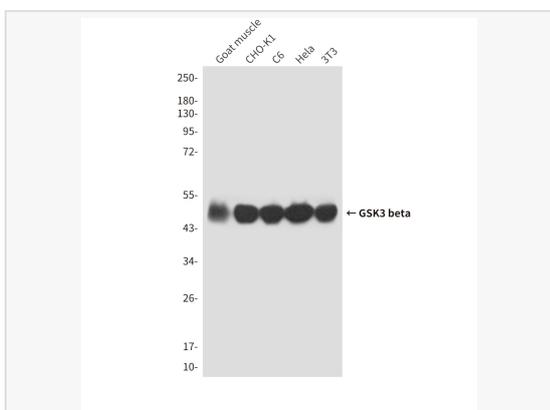
Synonyms	GSK3B, Glycogen synthase kinase-3 beta, GSK-3 beta, Serine/threonine-protein kinase GSK3B.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 47 kDa
Uniprot ID	P49841
Gene ID	2932
Background	Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified 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.



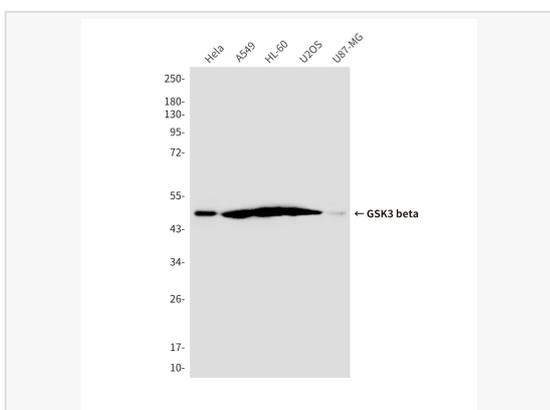
Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using GSK3 beta antibody [82L95K12]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using GSK3 beta antibody [82L95K12]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of GSK3 beta in Goat muscle, CHO-K1, C6, HeLa, 3T3 lysates using GSK3 beta antibody [82L95K12].



Western blot analysis of GSK3 beta in HeLa, A549, HL-60, U2OS, U87-MG lysates using GSK3 beta antibody [82L95K12].