

Anti-GSK3 beta Mouse mAb

Purified Mouse Monoclonal Antibody

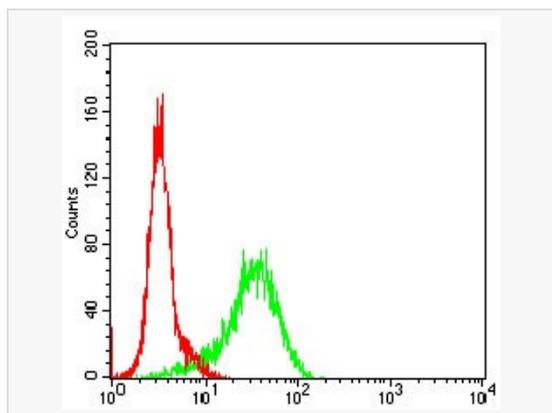
Catalog # M010189

Product Information

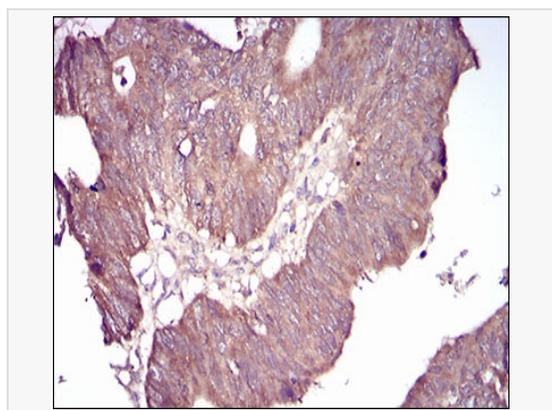
Application	FC, IHC-P/IF (Tissue-P), ELISA, WB
Reactivity	Human, Mouse (Cell), Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; FC 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	72K74K70
Isotype	IgG1
Label	Unconjugated
Immunogen	Purified recombinant fragment of human GSK3B expressed in E. Coli.
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 [72K74K70] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

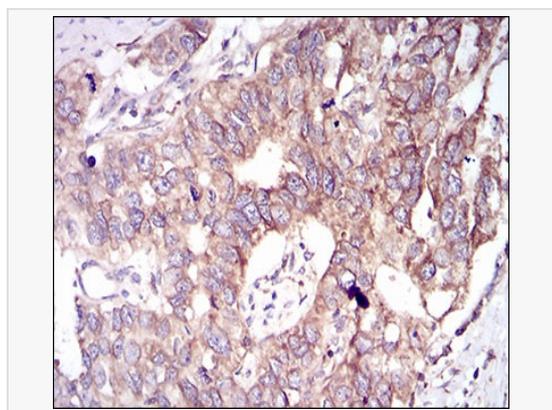
Synonyms	GSK3B, Glycogen synthase kinase-3 beta, GSK-3 beta, Serine/threonine-protein kinase GSK3B.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 47 kDa
Uniprot ID	P49841
Gene ID	2932
Background	Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified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



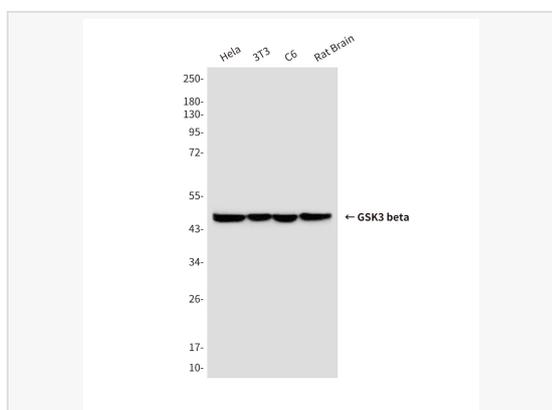
Flow Cytometry analysis of NIH/3T3 cells stained with GSK3B antibody (green) and negative control (red) .



Immunohistochemistry analysis of paraffin-embedded rectum cancer tissues using GSK3B antibody with DAB staining. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded esophageal cancer tissues using GSK3B antibody with DAB staining. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of GSK3B antibody in HeLa, 3T3, C6, rat Brain lysates using GSK3B antibody.