GSK3 BETA MOUSE MAB

Cat.#: N261206

Product Name: Anti-GSK3 beta Mouse Monoclonal Antibody

Synonyms: GSK3B; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B

UNIPROT ID: P49841

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.

Immunogen: Purified recombinant fragment of human GSK3B (AA: 2-159) expressed in E. Coli.

Applications: WB,IHC-P,FC

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 FC: 1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 7D8A6

MW: Calculated MW: 47 kDa; Observed MW: 47 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

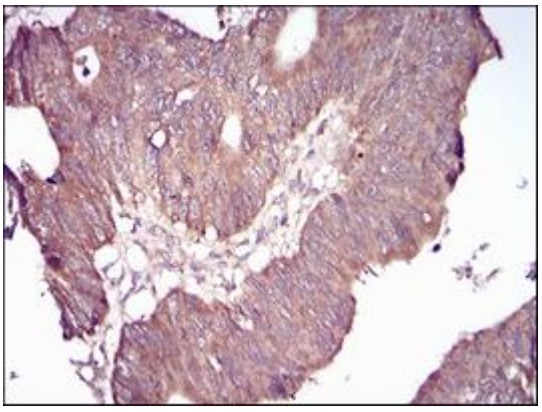
Conjugation: Unconjugated

Modification: Unmodified

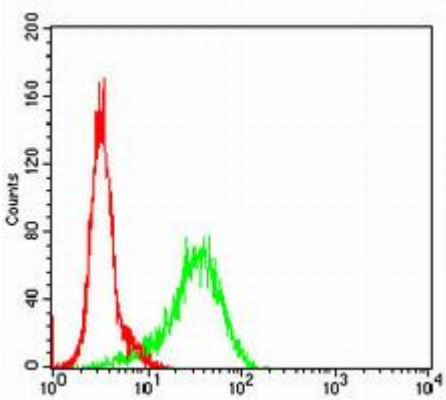
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Neuroscience

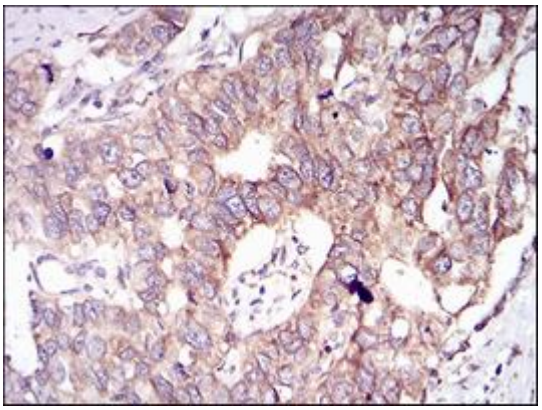
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



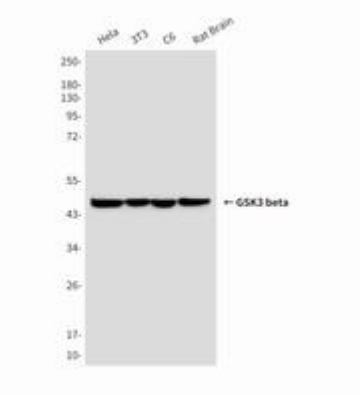
Immunohistochemistry analysis of paraffin-embedded rectum cancer tissues using GSK3B antibody with DAB staining.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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



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.