

## PHOSPHO-GSK3 BETA (SER9) RABBIT MAB

**Cat.#:** N261729

**Product Name:** Anti-Phospho-GSK3 beta (Ser9) Rabbit 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:** A synthetic phosphopeptide corresponding to residues surrounding Ser9 of human GSK3 beta

**Applications:** WB, IHC-F, IHC-P, ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R06-6H5

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

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

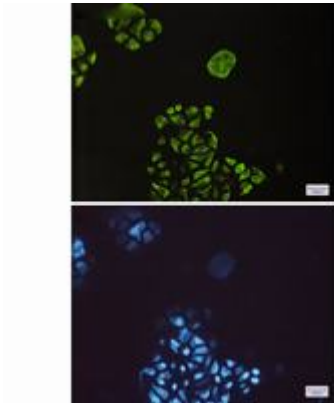
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

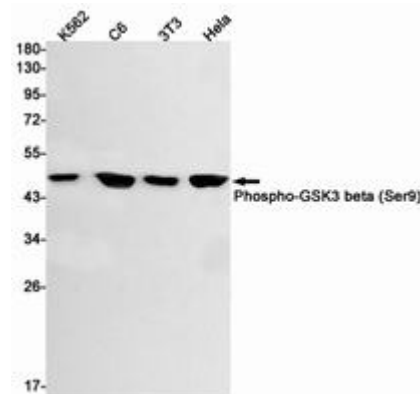
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Neuroscience, Alzheimer's disease

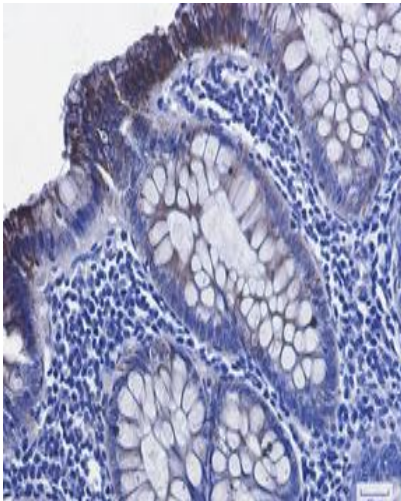
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of Phospho-GSK3 beta (Ser9) (green) in HeLa using Phospho-GSK3 beta (Ser9) antibody, and DAPI (blue)



Western blot analysis of Phospho-GSK3 beta (Ser9) in K562, C6, 3T3, HeLa lysates using Phospho-GSK3 beta (Ser9) antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Phospho-GSK3 beta (Ser9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.