

## GSK3 BETA (4C4) MOUSE MAB

**Cat.#:** N261318

**Product Name:** Anti-GSK3 beta (4C4) 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:** Synthetic peptide conjugated to KLH.

**Applications:** WB, IHC-P

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

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 4C4-3H9-10C5

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

**Isotype:** IgG1

**Purification:** Affinity Purified

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

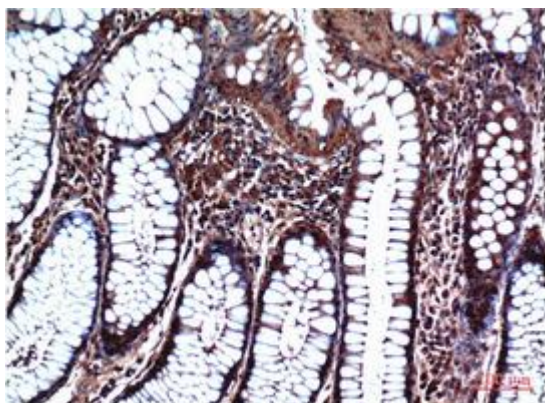
**Conjugation:** Unconjugated

**Modification:** Unmodified

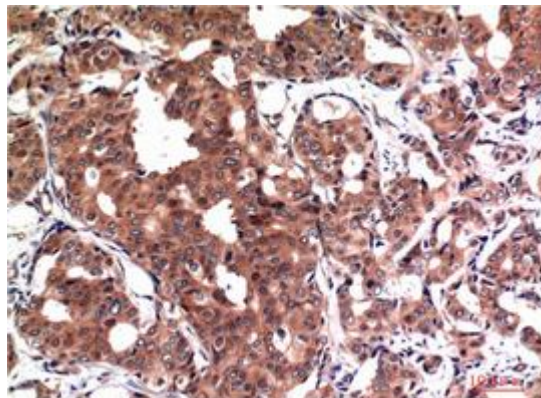
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Neuroscience

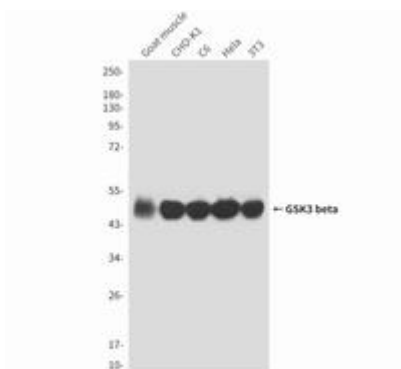
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



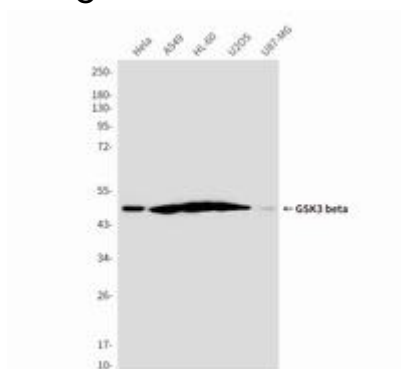
Immunohistochemical analysis of paraffin-embedded Human tonsils using GSK3 beta (4C4) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using GSK3 beta (4C4) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of GSK3 beta (4C4) in Goat muscle, CHO-K1, C6, HeLa, 3T3 lysates using GSK3 beta (4C4) antibody



Western blot analysis of GSK3 beta (4C4) in HeLa, A549, HL-60, U2OS, U87-MG lysates using GSK3 beta (4C4) antibody.