

## GSK3 BETA (2E6) MOUSE MAB

**Cat.#:** N261410

**Product Name:** Anti-GSK3 beta (2E6) 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 GSK-3 $\beta$  protein fragments expressed in E.coli.

**Applications:** WB, ICC, IF, IP, FC

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20 FC: 1/50-1/100

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 2E6-D6-C12

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

**Isotype:** IgG2a

**Purification:** Affinity Purified

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

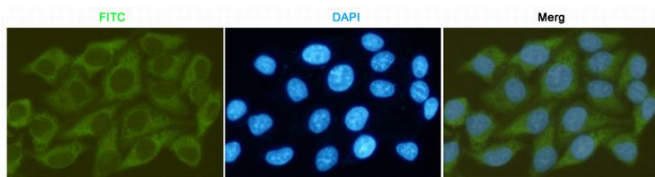
**Conjugation:** Unconjugated

**Modification:** Unmodified

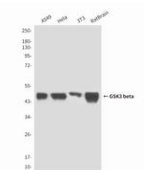
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Hypoxia Signal Transduction Hypoxia-Inhibition

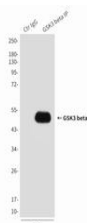
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of GSK3 beta (2E6) in HeLa using GSK3 beta antibody.



Western blot analysis of GSK3 beta (2E6) in A549, HeLa, 3T3 and rat Brain lysates using GSK3 beta antibody.



Immunoprecipitation analysis of GSK3 beta (2E6) in HeLa lysates using GSK3 beta (2E6) antibody. Western blot analysis of GSK3 beta using GSK3 beta antibody.