## GSK3α/β(Phospho-Tyr279/216) Antibody

Catalog Number: E11-0012A

**Amount:** 100μg/100μl

Swiss-Prot No.: P49840

All Names: EC 2.7.11.26, Factor A, GSK-3 alpha, GSK3-alpha, Glycogen synthase kinase-3 alpha,

kinase GSK3-alpha, GSK-3 beta, GSK3B, Glycogen synthase kinase-3 beta, Protein

kinase GSK-3-beta, kinase GSK3-beta

All Sites: Human: Tyr279/216; Mouse: Tyr279/216; Rat: Tyr279/216

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl,

0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human

GSK3 $\alpha/\beta$  around the phosphorylation site of tyrosine 279/216 (V-S-Y<sup>P</sup>-I-C).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using

epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

**Specificity/Sensitivity:** GSK3 $\alpha$ / $\beta$  (phospho-Tyr279/216) antibody detects endogenous levels of GSK3 $\alpha$ / $\beta$  only

when phosphorylated at tyrosine 279/216.

Reactivity: Human, Mouse, Rat

ELISA: 1:20000

**References:** Minsub Shim, J. Biol. Chem., May 2003; 278: 19674 - 19681.

Junichi Gotoh Carcinogenesis, Mar 2003; 24: 435 - 442.

Katrina MacAulay, J. Biol. Chem., Mar 2005; 280: 9509 - 9518.

Victor H. Bustos, PNAS, Dec 2006; 103: 19725 - 19730.

