

Phospho-GSK-3 β Polyclonal Antibody

CATALOG #: 3495-100

AMOUNT: 100 μ g

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding Ser9 of human GSK-3 β

FORMULATION:

100 μ g (0.5 mg/ml) immunoaffinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND:

Glycogen synthase kinase 3 (GSK-3) is a serine/threonine protein kinase that has been implicated in the regulation of cell fate and in the Wnt signaling pathway. GSK-3 plays an important role in the PI3 kinase and Akt mediated cell survival pathways, and its activity can be inhibited by Akt-mediated phosphorylation at Ser21 of GSK-3 α and Ser9 of GSK-3 β . GSK-3 has also been implicated in alzheimer's disease. Six Tau protein isoforms have been identified, all of which are phosphorylated by GSK-3.

SPECIES REACTIVITY: Human, Mouse, Rat

APPLICATIONS AND USAGE:

The antibody can be used for Western blot analysis (1-2 μ g/ml) and immunohistochemistry (15-30 μ g/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody detects phosphorylated GSK-3 β (Ser9) in samples from human, mouse, and rat origin. It does not recognize the phosphorylated GSK-3 α .

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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