

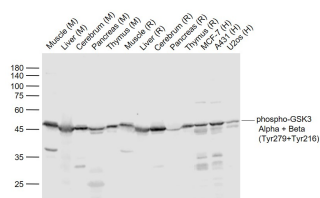
bs-2073R**[Primary Antibody]****BioSS**
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**phospho-GSK3 Alpha + Beta (Tyr279+Tyr216)
Rabbit pAb****DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 2932**SWISS:** P49841**Target:** GSK3 Alpha + Beta (Tyr279+Tyr216)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human GSK-3 Beta around the phosphorylation site of Tyr216: VS(p-Y)IC.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]**Applications:** WB (1:500-2000)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)**Predicted MW.:** 47/51 kDa**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus**VALIDATION IMAGES**

Sample: Lane 1: Muscle (Mouse) Lysate at 40 ug
 Lane 2: Liver (Mouse) Lysate at 40 ug Lane 3:
 Cerebrum (Mouse) Lysate at 40 ug Lane 4:
 Pancreas (Mouse) Lysate at 40 ug Lane 5:
 Thymus (Mouse) Lysate at 40 ug Lane 6: Muscle
 (Rat) Lysate at 40 ug Lane 7: Liver (Rat) Lysate at
 40 ug Lane 8: Cerebrum (Rat) Lysate at 40 ug
 Lane 9: Pancreas (Rat) Lysate at 40 ug Lane 10:
 Thymus (Rat) Lysate at 40 ug Lane 11: MCF-7
 (Human) Cell Lysate at 30 ug Lane 12: A431
 (Human) Cell Lysate at 30 ug Lane 13: U2os
 (Human) Cell Lysate at 30 ug Primary: Anti-
 phospho-GSK3 Alpha + Beta (Tyr279+Tyr216)
 (bs-2073R) at 1/1000 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 47' 51 kD
 Observed band size: 47 kD

SELECTED CITATIONS

- **[IF=4.169]** Cheng, Baixiang. et al. Distinctive Roles of Wnt Signaling in Chondrogenic Differentiation of BMSCs under Coupling of Pressure and Platelet-Rich Fibrin. Tissue Engineering and Regenerative Medicine. 2022 Apr;:1-15 WB

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

;Rabbit. 35467329

- **[IF=3.9]** Cuicui Zhuang. et al. Escherichia coli infection induces ferroptosis in bovine mammary epithelial cells by activating the Wnt/ β -catenin pathway-mediated mitophagy. MITOCHONDRION. 2024 Sep;78:101921 WB ;Bovine. 38885732
- **[IF=3.33]** Zhao, Hai-hua, et al. "Involvement of GSK3 and PP2A in ginsenoside Rb1's attenuation of aluminum-induced tau hyperphosphorylation." Behavioural Brain Research (2012). WB,IHC ;Mouse. 23219964
- **[IF=3.024]** J Song. et al. MSCs reduce airway remodeling in the lungs of asthmatic rats through the Wnt/ β -catenin signaling pathway.. Eur Rev Med Pharmacol. 2020 Nov;24(21):11199-11211 WB ;Rat. 33215438
- **[IF=3.1]** Huang Hui. et al. Osthole inhibits GSK-3 β /AMPK/mTOR pathway-controlled glycolysis and increases radiosensitivity of subcutaneous transplanted hepatocellular carcinoma in nude mice. STRAHLENTHER ONKOL. 2023 Nov;;1-9 WB ;Mouse,Human. 37963994