

bs-4079R**[Primary Antibody]****phospho-GSK3 Beta (Tyr216) Rabbit pAb****BioSS**
ANTIBODIES

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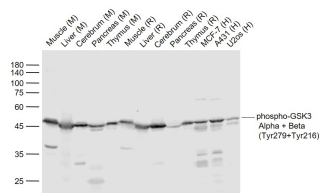
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DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)
GeneID: 2932	SWISS: P49841	Predicted MW.: 47 kDa
Target: GSK3 Beta (Tyr216)		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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]		

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-4079R) 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=4.9]** Qian Zhang. et al. Proteomics and Expression of HIF2α/BNIP3L Signaling in Yak Brains at Different Altitudes. int. j. mol. sci..2025 Feb 16;26(4):1675. Western blot ;yak. 40004139

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

- **[IF=4.9]** Qian Zhang. et al. Proteomics and Expression of HIF2 α /BNIP3L Signaling in Yak Brains at Different Altitudes. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2025 Feb 16;26(4):1675. Western Blot ;Yak. 10.3390/ijms26041675
- **[IF=4.4]** Yan Yu. et al. hERG activators exhibit antitumor effects in breast cancer through calcineurin and β -catenin-mediated signaling pathways. FRONTIERS IN PHARMACOLOGY. 2025 Jan 23;16:1545300. Western blot ;Rabbit. 39917621
- **[IF=2.97]** Li, Xu-zhao, et al. "Neuroprotective effects of extract of *Acanthopanax senticosus* harms on SH-SY5Y cells overexpressing wild-type or A53T mutant α -synuclein." Phytomedicine (2013). WB ;"Human". 24252343
- **[IF=2.396]** Ren et al. GSK-3 β inhibits autophagy and enhances radiosensitivity in non-small cell lung cancer. (2018) Diagn. Pathol. 13:33 IHC ;Human. 29793508