

**bs-0023R****[ Primary Antibody ]****GSK-3 beta Rabbit pAb****Bioss**  
**ANTIBODIES**

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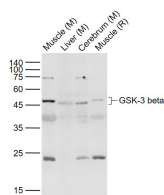
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**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, Horse)
<b>GeneID:</b> 2932	<b>SWISS:</b> P49841	<b>Predicted MW.:</b> 47 kDa
<b>Target:</b> GSK-3 beta		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm Nucleus
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GSK-3 Beta: 1-50/420.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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:  
Muscle (Rat) Lysate at 40 ug Primary: Anti-GSK-3  
beta (bs-0023R) at 1/1000 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 47 kD Observed  
band size: 47 kD

**SELECTED CITATIONS**

- **[IF=8.2]** Huiqin Guo. et al. Oat  $\beta$ -D-glucan ameliorates type II diabetes through TLR4/PI3K/AKT mediated metabolic axis. INT J BIOL MACROMOL. 2023 Jul;;126039 WB ;Human. 37516222
- **[IF=7.2]** Li Zhen. et al. Hypoglycemic effects of Goji tea in streptozotocin-induced diabetic mice via IRS1/PI3K/AKT/AMPK pathway. Journal of Future Foods. 2025 Jun;; WB ;Mouse. 10.1016/j.jfutfo.2025.01.005
- **[IF=6.7]** Fan Zhu. et al. Astrocyte-secreted C3 signaling impairs neuronal development and cognition in autoimmune diseases. PROG NEUROBIOL. 2024 Jun;;102654 WB ;Mouse. 38945516
- **[IF=7.129]** Yanwen Hou. et al. Prenatal PM2.5 exposure contributes to neuronal tau lesion in male offspring mice through mitochondrial dysfunction-mediated insulin resistance. ECOTOX ENVIRON SAFE. 2022 Nov;;246;114151 WB

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

;Mouse. 36228359

- **[IF=6.656]** Mingjuan Yang. et al. Rosmarinic acid potentiates and detoxifies tacrine in combination for Alzheimer's disease. PHYTOMEDICINE. 2022 Dec;;154600 WB ;Mouse. 36610144