

bsm-52160R**[Primary Antibody]****BioSS**
ANTIBODIES

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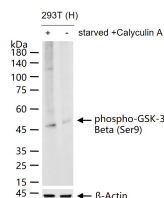
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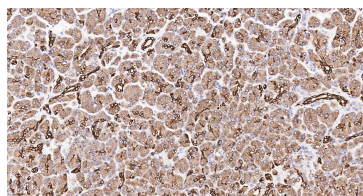
400-901-9800

phospho-GSK-3 Beta (Ser9) Recombinant Rabbit mAb**DATASHEET**

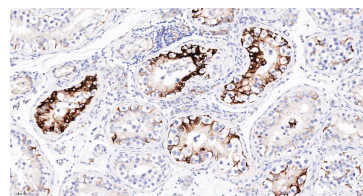
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human Predicted MW.: 47 kDa Observed MW.: 47 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
Clonality: Recombinant	CloneNo.: 7A4	
GeneID: 2932	SWISS: P49841	
Target: GSK-3 Beta (Ser9)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human GSK-3 Beta around the phosphorylation site of Ser9: TT(p-S)FA.		
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

293T (H) cells were treated with or without starved for 3 h, with Calyculin A (100nM) for 30 m, 25 µg total protein per lane of cell lysates (see on figure) probed with phospho-GSK-3 Beta monoclonal antibody, unconjugated (bsm-52160R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-GSK-3 Beta (Ser9) Monoclonal Antibody, Unconjugated (bsm-52160R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-GSK-3 Beta (Ser9) Monoclonal Antibody, Unconjugated (bsm-52160R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=6.117]** Jiao Mo. et al. Hepatic Leucine Carboxyl Methyltransferase 1 (LCMT1) contributes to high fat diet-induced glucose intolerance through regulation of glycogen metabolism. J NUTR BIOCHEM. 2023 Mar;;109321 WB ;Mouse. 36963730
- **[IF=4.6]** Shuai Zhang. et al. The Impact of Atmospheric Cadmium Exposure on Colon Cancer and the Invasiveness of Intestinal Stents in the Cancerous Colon. TOXICS. 2024 Mar;12(3):215 WB ;Mouse. 38535948