

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

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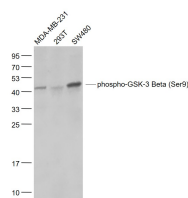
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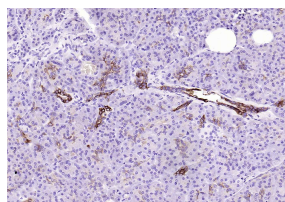
400-901-9800

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

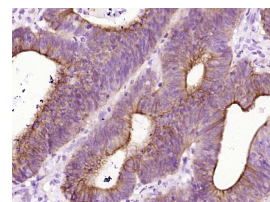
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:20-200) IHC-F (1:20-200) IF (1:20-200) ICC/IF (1:20-200) Reactivity: Human (predicted: Mouse, Rat) Predicted MW.: 47 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
Clonality: Recombinant	CloneNo.: 7A4	
GeneID: 2932	SWISS: P49841	
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

Sample: MDA-MB-231(Human) Cell Lysate at 30 ug
 293T(Human) Cell Lysate at 30 ug
 SW480(Human) Cell Lysate at 30 ug
 Primary: Anti-phospho-GSK-3 Beta (Ser9) (bsm-52160R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 47 kD
 Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (phospho-GSK-3 Beta (Ser9)) Monoclonal Antibody, Unconjugated (bsm-52160R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-GSK-3 Beta (Ser9)) Polyclonal Antibody, Unconjugated (bsm-52160R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB 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

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