

bs-4692R**[Primary Antibody]****phospho-GSK3A (Ser21) Rabbit pAb****Bioss**
ANTIBODIES

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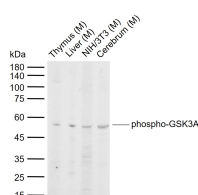
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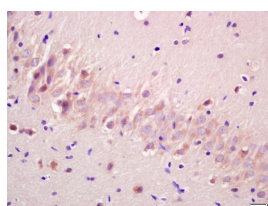
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 2931	SWISS: P49840	IHC-F (1:100-500)
Target: GSK3A (Ser21)		IF (1:100-500)
Immunogen: KLH conjugated synthesised phosphopeptide derived from human GSK3A around the phosphorylation site of Ser21: TS(p-S)FA.		Reactivity: Mouse, Rat (predicted: Human, Pig, Chicken, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 54 kDa
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.		Subcellular Location: Cytoplasm
Background: This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. [provided by RefSeq, Oct 2011]		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Thymus tissue lysates
 Lane 2: Mouse Liver tissue lysates Lane 3: Mouse NIH/3T3 cell lysates Lane 4: Mouse Cerebrum tissue lysates
 Primary: Anti-phospho-GSK3A (Ser21) (bs-4692R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 54 kDa Observed band size: 53 kDa



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-GSK3 Alpha(Ser21) Polyclonal Antibody, Unconjugated(bs-4692R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." Chemosphere (2017). IHC ;="Mouse". 29202267