bs-4692R

## [ Primary Antibody ]

## phospho-GSK3A (Ser21) Rabbit pAb



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DATASHEET

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 2931 **SWISS:** P49840

Target: GSK3A (Ser21)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human

GSK3A around the phosphorylation site of Ser21: TS(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: 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]

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

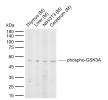
Reactivity: Mouse, Rat

(predicted: Human, Pig, Chicken, Dog, Horse)

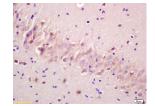
Predicted 54 kDa

Subcellular Cytoplasm Location:

## 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: IRDve800CW 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 paraffinembedded; 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