

bs-3148R**[Primary Antibody]****phospho-GSK-3 Beta (Thr390) Rabbit pAb****BioSS**
ANTIBODIES

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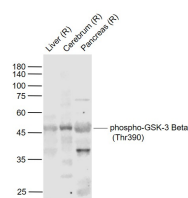
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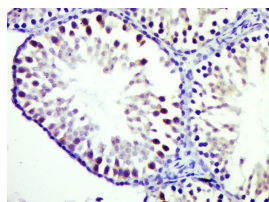
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DATASHEET

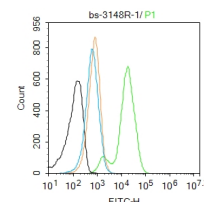
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test)
Clonality: Polyclonal		
GeneID: 2932	SWISS: P49841	
Target: phospho-GSK-3 Beta (Thr390)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human GSK-3 Beta around the phosphorylation site of Thr390: AS(p-T)PT.		
Purification: affinity purified by Protein A		Reactivity: Human, Rat (predicted: Rabbit, Pig, Chicken, Dog, GuineaPig)
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]		Predicted MW.: 47 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES

Sample: Lane 1: Liver (Rat) Lysate at 40 ug Lane 2: Cerebrum (Rat) Lysate at 40 ug Lane 3: Pancreas (Rat) Lysate at 40 ug Primary: Anti-phospho-GSK-3 Beta (Thr390) (bs-3148R) 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 (Rat testis); 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(Thr390)) Polyclonal Antibody, Unconjugated (bs-3148R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-phospho-GSK-3 Beta (Thr390) antibody (bs-3148R) Dilution: 1µg/10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg/test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=5.9]** van Rees, Geertje Frederique, et al. "Evidence of microglial activation following exposure to serum from first-onset drug-naïve schizophrenia patients." Brain, Behavior, and Immunity (2017). ICC ;="Human". 28988033

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