

**bs-3161R****[ Primary Antibody ]****phospho-GSK3A (Ser21) Rabbit pAb****Bioss**  
ANTIBODIES

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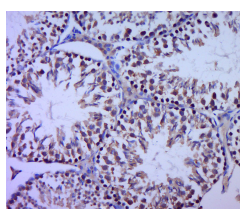
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 2931	<b>SWISS:</b> P49840	<b>IF</b> (1:100-500)
<b>Target:</b> GSK3A (Ser21)		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Pig, Cow, Dog)
<b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human GSK3 alpha around the phosphorylation site of Ser21: RT(p-S)SF.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 53 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm
<b>Storage:</b> 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.		
<b>Background:</b> 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 —**

Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); 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 (P-GSK3 alpha (Ser21)) Polyclonal Antibody, Unconjugated (bs-3161R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.