

## Product datasheet for **TA392609S**

### GSK3 beta (GSK3B) Rabbit Polyclonal Antibody

#### Product data:

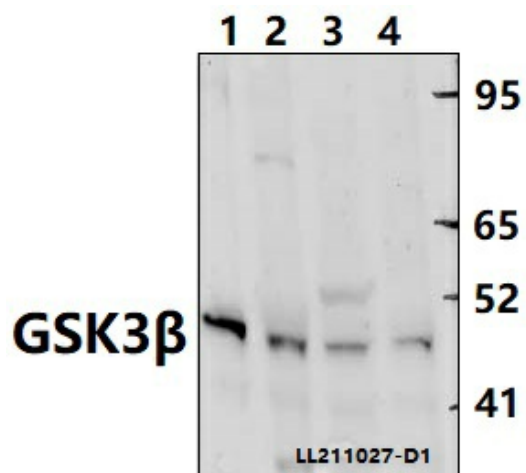
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human GSK3 $\beta$ .
Specificity:	GSK3 $\beta$ (S13) polyclonal antibody detects endogenous levels of GSK3 $\beta$ protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 46 kDa
Gene Name:	glycogen synthase kinase 3 beta
Database Link:	<a href="#">Entrez Gene 2932 Human P49841</a>
Background:	Glycogen synthase kinase-3 (GSK-3) was initially identified as an enzyme that regulates glycogen synthesis in response to insulin. GSK-3 is a ubiquitously expressed serine/threonine protein kinase that phosphorylates and inactivates glycogen synthase. GSK-3 is a critical downstream element of the PI3K/Akt cell survival pathway whose activity can be inhibited by Akt-mediated phosphorylation at Ser21 of GSK-3 $\alpha$ and Ser9 of GSK-3 $\beta$ . GSK-3 has been implicated in the regulation of cell fate in Dictyostelium and is a component of the Wnt signaling pathway required for Drosophila, Xenopus, and mammalian development. GSK-3 has been shown to regulate cyclin D1 proteolysis and subcellular localization.
Synonyms:	Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B



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Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of GSK3β (S13) polyclonal antibody at 1:1000 dilution  
Lane1:The Spleen tissue lysate of Mouse(40ug)  
Lane2:The Brain tissue lysate of Rat(40ug)  
Lane3:U-87MG whole cell lysate(40ug)  
Lane4:A549 whole cell lysate(40ug)