

Product datasheet for **TA376817S**

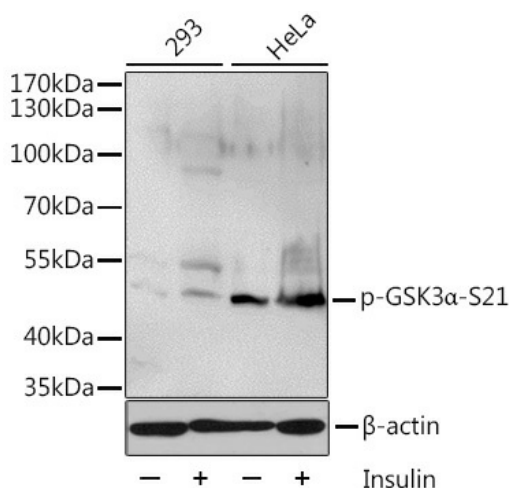
GSK3 alpha (GSK3A) Rabbit Polyclonal Antibody

Product data:

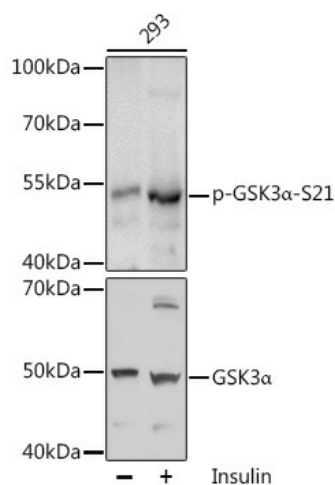
Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IP, 1:50 - 1:100
Reactivity:	Human
Modifications:	Phospho S21
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S21 of human GSK3α (NP_063937.2).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50kDa
Gene Name:	glycogen synthase kinase 3 alpha
Database Link:	Entrez Gene 2931 Human P49840
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.
Synonyms:	DKFZp686D0638; OTTHUMP00000198368



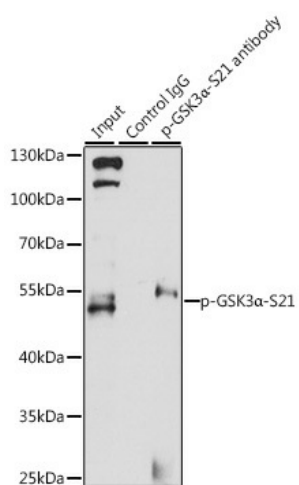
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Product images:


Western blot analysis of extracts of 293 and HeLa cells, using Phospho-GSK3α-S21 antibody ([TA376817]) at 1:1000 dilution. 293 cells were treated by Insulin (100nM) for 10 minutes after serum-starvation overnight. HeLa cells were treated by Insulin (0.01U/mL) for 15 minutes after serum-starvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA.



Western blot analysis of extracts of 293 cells, using Phospho-GSK3α-S21 antibody ([TA376817]) at 1:1000 dilution or GSK3α antibody (A0645). 293 cells were treated by Insulin (100nM) for 10 minutes after serum-starvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA.



Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-GSK3α-S21 pAb ([TA376817]). Western blot was performed from the immunoprecipitate using Phospho-GSK3α-S21 pAb ([TA376817]) at a dilution of 1:1000. 293T cells were treated by Insulin (100 nM) at 37°C for 10 minutes after serum-starvation overnight.