

## Product datasheet for **TA319232**

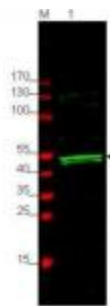
### GSK3 alpha (GSK3A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:4,000 - 1:20,000, WB: 1:500 - 1:2,000, IF: User Optimized
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 16-25 of human GSK3 alpha.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glycogen synthase kinase 3 alpha
Database Link:	<a href="#">NP_063937</a> <a href="#">Entrez Gene 2931 Human</a> <a href="#">P49840</a>
Synonyms:	DKFZp686D0638
Note:	Glycogen synthase kinase 3 alpha (GSK3A) belongs to the ser/thr family of protein kinases, Cdc2/cdkx subfamily; gsk-3 subsubfamily. It is implicated in the hormonal control of several regulatory proteins including glycogen synthase, myb, and the transcription factor c-jun. GSK3A is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. Two isoforms, alpha (GSK3A) and beta (GSK3B), show a high degree of amino acid homology. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation.
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway



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**Product images:**

WB using Anti-GSK3A antibody shows detection of a 52 kDa band corresponding to human GSK3A present in ~ 35 ug of HEK293 whole cell lysate (lane 1). Primary antibody was used at a 1:1,000 dilution in blocking buffer and reacted overnight at 4?. The membrane was washed and reacted with a 1:10,000 dilution of IRDye800™ conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at RT. Molecular weight estimation was made by comparison to prestained MW markers in lane M (700 nm channel, red).