

Product Data Sheet

Purified anti-GSK-3β

Catalog # / Size: 604202 / 200 µl (20 Western blots)
Clone: Poly6042
Isotype: Rabbit IgG
Immunogen: Recombinant (partial) , C-terminal
Reactivity: Mouse, Human, cross-reacts with GSK-3α
Preparation: The antibody was purified by antigen-affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage: Upon receipt, store frozen at -20° C.

Applications:

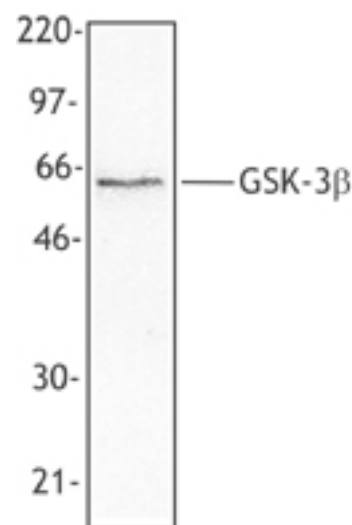
Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

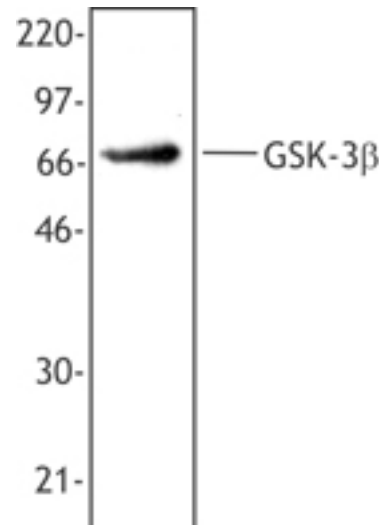
Description: GSK-3β (glycogen synthase kinase-3 beta) is a 49 kD serine/threonine kinase that is a member of the CDC2/CDKX subfamily. This protein is expressed in the testis, thymus, prostate, and ovary, with weak expression in lung, brain, and kidney. GSK-3β is thought to participate in the insulin and Wnt signaling pathway and has been shown to phosphorylate c-jun to reduce DNA binding. GSK-3β can be modified by AKT phosphorylation which inhibits function. This protein has been shown to interact with axin and GBP/FRAT. The Poly6042 antibody recognizes human and mouse GSK-3β and is cross-reactive with GSK-3α. The Poly6042 antibody has been shown to be useful for Western blotting.

Antigen References: 1. Stambolic V, *et al.* 1994. *Biochem. J.* 303:701.
 2. Delcomenne M, *et al.* 1998. *P. Natl. Acad. Sci. USA* 95:11211.

Related Products:	Product	Clone	Application
	Purified anti-β-catenin	Poly6001	IF, WB
	Purified anti-Akt	Poly6034	IF, WB
	Purified anti-c-Jun	Poly6065	WB
	HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB



HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-GSK 3β antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



Recombinant human full length GSK3β containing an N-terminal GST tag protein (400 ng per lane) was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-GSK 3β antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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