

Product datasheet for **AP15080PU-N**

GSK3 beta (GSK3B) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human GSK3B.
Specificity:	This antibody reacts to GSK3B.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycogen synthase kinase 3 beta
Database Link:	Entrez Gene 2932 Human P49841



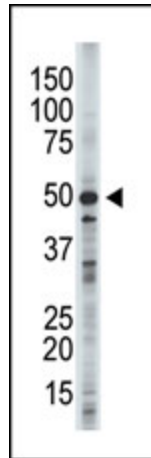
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Background:

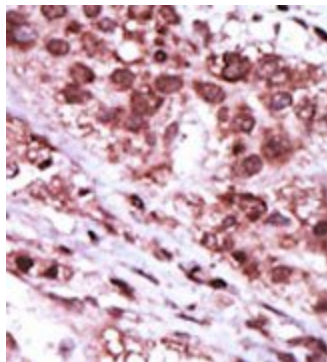
GSK3B, a member of the Ser/Thr protein kinase family, participates in the Wnt signaling pathway. It is implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. GSK3B phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. The protein is inhibited when phosphorylated by AKT1 or ILK1. Expressed is detected in testis, thymus, prostate and ovary, and weakly in lung, brain and kidney.

Synonyms:

GSK-3 beta, Glycogen synthase kinase-3 beta, GSK3B

Product images:

The anti-GSK3B Pab is used in Western blot to detect GSK3B in 293 cell lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.