

Product datasheet for **AP05624PU-N**

GSK3 beta (GSK3B) pSer9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:1000; detects a band of approximately 46kDa in rat cortex cell lysates.
Reactivity:	Bovine, Canine, Chicken, Human, Monkey, Mouse, Rat, Xenopus, Zebrafish
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Phosphopeptide corresponding to amino acid sequence surrounding phosphorylated serine 9 of rat GSK3 beta.
Specificity:	This antibody recognises glycogen synthase 3 (GSK3) beta phosphorylated at serine 9.
Formulation:	10mM HEPES pH7.5 containing 0.09% Sodium Azide (NaN ₃), 50% Glycerol and 0.01% Bovine Serum Albumin State: Purified State: Liquid purified IgG
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
Background:	<p>GSK3 is a 46 kDa member of the serine/threonine protein kinase family. Two isoforms of GSK3 exist, alpha and beta. GSK3 beta is expressed in the testis, thymus, prostate, and ovary as well as being expressed at low levels in lung, brain and kidney tissue.</p> <p>GSK3 beta is involved in many signalling pathways including energy metabolism, body pattern formation and microtubule growth and stability (which aids axon growth). GSK3 beta is also thought to be involved in oncogenesis and the hormonal control of several regulatory proteins including glycogen synthase. Phosphorylation of serine-9 inhibits GSK3 beta function.</p>



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Synonyms:

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