

Datasheet for ABIN5688910
anti-Glycogen Synthase antibody (pSer9)



[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	Glycogen Synthase (GYS)
Binding Specificity:	pSer9
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Dog, Xenopus laevis, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glycogen Synthase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser9 of GSK3b.
Purification:	Affinity Purified

Target Details

Target:	Glycogen Synthase (GYS)
Alternative Name:	Glycogen synthase (GYS Products)
Background:	Glycogen synthase kinase 3 (GSK3) is a serine/threonine kinase that is involved in the regulation of many signaling pathways. To date, 2 isoforms have been identified: GSK3alpha and GSK3beta. Specifically, GSK3beta has been shown to play a key inhibitory role in both the insulin and Wnt signaling pathways (Papkoff and Aikawa 1998). It has been suggested that

Target Details

Ser9 phosphorylation underlies the inhibition of GSK3beta by insulin (Sutherland et al., 1993).

Molecular Weight: 46 kDa

Gene ID: 84027

UniProt: [P18266](#)

Application Details

Application Notes: The antibody has been directly tested for reactivity in Western blots with rat tissue. It is anticipated that the antibody will react with human, mouse, chicken, bovine, canine, non-human primate, Zebra fish and Xenopus based on the fact that these species have 100 % homology with the amino acid sequence used as antigen.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 µLin 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.

Storage: -20 °C

Storage Comment: Glycogen synthase antibody can be stored at -20°C and is stable at -20°C for at least 1 year.
