

Rev01  
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## DATASHEET

# p-GSK3 beta (S9) Antibody, mAb, Rabbit

Cat. No.: A03381

## Overview

<b>Specificity</b>	This product is specific to p-GSK3 beta (S9)
<b>Host Species</b>	Rabbit
<b>Immunogen</b>	A synthesized peptide derived from human GSK3 beta around the phosphorylation site of S9
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated

## Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

<b>Application</b>	<b>Recommended Usage</b>
Western Blot	1:1000-1:5000
Immunohistochemistry (IHC)	1:100-1:200
Immunocytochemistry/Immunofluorescence (ICC/IF)	1:50-1:200
Immunohistochemistry Frozen (IHF)	1:50-1:200

## Properties

<b>Form</b>	Liquid
<b>Storage Buffer</b>	Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage Instructions</b>	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.

<b>Purification</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal

## Background

**Target Background :** Constitutively active protein kinase that acts as a negative regulator in the hormonal control of glucose homeostasis, Wnt signaling and regulation of transcription factors and microtubules, by phosphorylating and inactivating glycogen synthase (GYS1 or GYS2), EIF2B, CTNNB1/beta-catenin, APC, AXIN1, DPYSL2/CRMP2, JUN, NFATC1/NFATC, MAPT/TAU and MACF1. Requires primed phosphorylation of the majority of its substrates.

**Synonyms :** glycogen synthase kinase 3 beta; GSK-3 beta; GSK3B; GSK3beta isoform;

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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