

## Mouse Monoclonal Antibody to

# GSK3beta (N-terminus)

## clone 11B9

## biotinylated

**Order No.:** 0135-100BIOTIN/GSK3b-11B9

**Size (µg)** 100

**Lot No.:** 0135S



03/220307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	46 kDa	HepG2	N-terminal region of GSK3beta	peptide conjugated to KLH

### Background and Specificity:

Glycogen Synthase Kinase 3 beta (GSK3beta) is a serine/threonine kinase that is acting independently of most signal transduction pathways. The activity of GSK3beta can be modulated by phosphorylation of Ser9 and Tyr215 in the activation loop. GSK3beta plays a crucial role in phosphorylation of beta-catenin and thus is an important kinase involved in the regulation of beta-catenin/wnt-signaling.

**Mab GSK3b-11B9** specifically recognizes GSK3beta at 46 kDa in Western blot and ELISA applications and does not crossreact with GSK3alpha.

### Related Products

**mab to GSK3alpha**  
#0211-100/GSK3a-10C1

**mab to GSK3alpha (phospho-Ser21)**  
#0158-100/GSK3a-9B8

**mab to GSK3beta**  
#0135-100/GSK3b-11B9

**mab to GSK3beta (phospho-Ser9)**  
#0098-100/GSK3b-2D3  
#0185-100/GSK3b-3A8

**mab to GSK3beta (phospho-Tyr215)**  
**mab to GSK3alpha (phospho-Tyr278)**  
#0258-100/GSK3b-6D3

<b>Purification:</b>	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
<b>Formulation:</b>	liquid; 0.5 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose
<b>Reconstitution:</b>	
<b>Stability:</b>	Aliquote and freeze in liquid nitrogen; antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
	<b>Avoid repeated freeze / thaw cycles</b>
<b>Positive Control:</b>	#0811: Cell lysate from untreated HepG2 cells.
<b>Immunoblotting:</b>	0.5 µg/ml for HRPO/ECL detection <b>Recommended blocking buffer:</b> Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
<b>Immunoprecipitation:</b>	ND
<b>Immunocytochemistry:</b>	ND
<b>ELISA:</b>	use at 0.05 µg/ml

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**