

Mouse Monoclonal Antibody to

GSK3beta (phospho-Ser 9)

clone 3A8

Order No.: 0185-100/GSK3b-3A8

Size (µg) 100

Lot No.: 0185S

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04/060418F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref. Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	46 kDa	HepG2	R T T pS F A E (phosphoserine 9)	phosphopeptide 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 Tyr216 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-3A8 specifically recognizes GSK3beta phosphorylated at Ser 9 at 46 kDa in Western blot and ELISA applications.

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

mab to GSK3beta (phospho-Tyr216)
mab to GSK3alpha (phospho-Tyr279)
#0258-100/GSK3b-6D3

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
Formulation:	liquid; 0.1mg/ml in in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol
Reconstitution:	
Stability:	For long term storage, freeze lyophilisate upon arrival (-20°C): Aliquote and freeze in liquid nitrogen; reconstituted 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.

Avoid repeated freeze / thaw cycles.

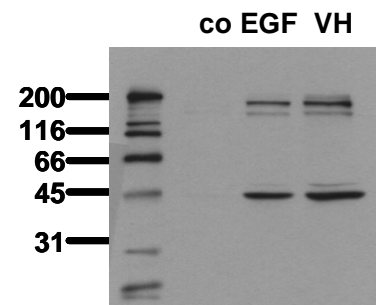
Positive Control:	#0812: Cell lysate from pervanadate treated HepG2 cells.
Immunoblotting:	0.5 µg/ml for HRPO/ECL detection Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: use at 0.05 µg/ml

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



Phosphospecificity

Whole cell extracts of control (co), EGF stimulated (EGF) or pervanadate treated (VH) A431 tumor cells were applied to SDS-PAGE (ca 20.000 cells per lane) and transferred to PVDF membranes. Immunoblots were probed with mab GSK-3A8 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).