

Mouse Monoclonal Antibody to

**GSK3 beta (pTyr 216)
GSK3 alpha (pTyr 279)
clone 6D3**

biotinylated

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Order No.: 0258-100BIOTIN/GSK3ab-6D3

Size (µg) 100

Lot No.: 0258S

04/060418F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse	WB	46 kDa 54 kDa	HepG2	N V S pY I C S phosphotyrosine 216 phosphotyrosine 279	phosphopeptide conjugated to hemocyanin

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 Ser 9 and Tyr 216 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-6D3 specifically recognizes GSK3beta phosphorylated at Tyr 216 at 46 kDa and GSK3alpha phosphorylated at Tyr 279 at 54 kDa in Western blot 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
#0185-100/GSK3b-3A8

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.
Formulation:	liquid; 0.5 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose
Reconstitution:	
Stability:	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. 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:	ND

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