

Product datasheet for **AM00068PU-N**

GSK3 beta (GSK3B) pSer9 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 2D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D3
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Positive Control: Cell lysate from pervanadate treated HepG2 cells. ELISA: 0.05 µg/ml.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH.
Specificity:	This antibody specifically recognizes GSK3beta phosphorylated at Ser 9 at 46 kDa. The antibody does not crossreact with GSK3alpha pSer21.
Formulation:	PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Size
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycogen synthase kinase 3 beta
Database Link:	Entrez Gene 2932 Human P49841



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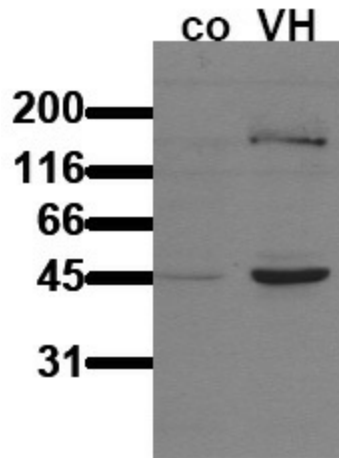
Background:

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.

Synonyms:

GSK-3 beta, Glycogen synthase kinase-3 beta, GSK3B

Product images:



Phosphospecificity Whole cell extracts of control (co) and pervanadate (VH) treated A431 tumor cells were applied to SDS-PAGE (ca 20.000 cells per lane) and transferred to PVDF membranes. Immunoblots were probed with mab GSK3b-2D3 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).