

Product datasheet for **AM00065PU-N**

GSK3 alpha (GSK3A) pSer21 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 9B8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9B8
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. ELISA: 0.0 5µg/ml.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH.
Specificity:	This antibody specifically recognizes GSK3alpha phosphorylated at serine 21 (Western blot: 51 kDa) but does not crossreact with the homologous phosphorylation site in GSK3beta (phospho-Ser 9).
Formulation:	1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with 1 ml H2O (15 min, RT).
Purification:	Size exclusion chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycogen synthase kinase 3 alpha
Database Link:	Entrez Gene 2931 Human P49840

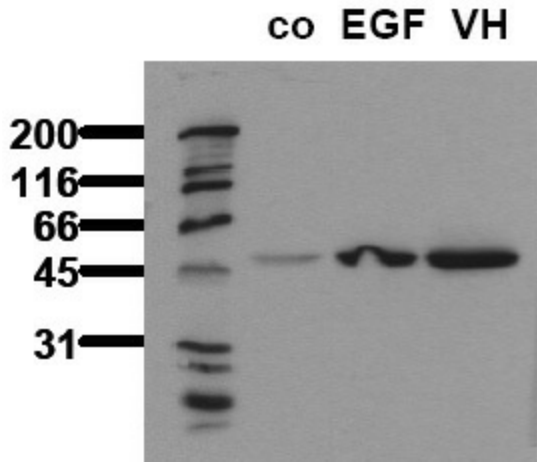


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Background: Glycogen Synthase Kinase 3 (GSK3) exists in two isoforms, alpha and beta (GSK3alpha, GSK3beta). GSK3 is an active kinase that becomes phosphorylated by PKB/akt upon growth factor stimulation. Phosphorylation of GSK3alpha at serine 21 or GSK3beta at serine 9, respectively, leads to inhibition of kinase activity of the GSK3.

Synonyms: Glycogen synthase kinase-3 alpha, GSK3A, GSK-3 alpha, Factor A

Product images:



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-9B8 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).