

Product datasheet for **AM00066BT-N**

GSK3 beta (GSK3B) (N-term) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 11B9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11B9
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Use at 0.05 µg/ml. Western Blot (Immunoblotting): 0.5 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. <i>Provided Postive Control:</i> Cell lysate from untreated HepG2 cells (See Protocols for more details).
Reactivity:	Canine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Peptide conjugated to KLH. Epitope: N-terminal region of GSK3beta
Specificity:	This antibody specifically recognizes GSK3beta at 46 kDa and doesnot crossreact with GSK3alpha.
Formulation:	PBS containing 0.09% Sodium Azide, PEG and Sucrose. Label: Biotin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography.
Conjugation:	Biotin
Storage:	Store the antibody (aliquote in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 2-8°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	46 kDa



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Gene Name:	glycogen synthase kinase 3 beta
Database Link:	Entrez Gene 2932 Human P49841
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
Note:	<p>Protocol: Positive Control: Cell lysate from untreated HepG2 cells</p> <p>Format: Lyophilized cell lysate from serum starved HepG2 cells.</p> <p>Reconstitution: Restore by addition of 200 µl H₂O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.</p> <p>Application: The positive control cell lysate is recommended for immunoblot applications. 20 µl of positive control cell lysate correspond to ca. 20.000 cells. Use 20 µl/lane (mini gel) for HRPO/ECL detection of the target proteins. Please NOTE: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as in immunoprecipitation.</p> <p>Storage: Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing</p>