

Rat Glycogen Synthase Kinase 3 Beta (GSK3b) ELISA Kit | GSK3b elisa kit

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CATALOG #
AAA136954

REACTIVITY
Rat

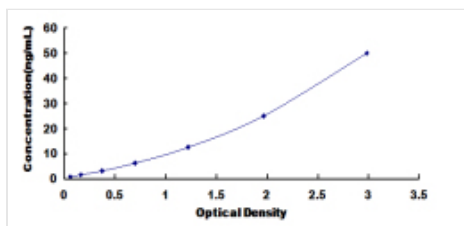
PRODUCT SYNONYMS

Glycogen Synthase Kinase 3 Beta (GSK3b); Rat Glycogen Synthase Kinase 3 Beta (GSK3b) ELISA Kit; Serine/threonine-protein kinase GSK3B; GSK3b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycogen Synthase Kinase 3 Beta (GSK3b). No significant cross-reactivity or interference between Glycogen Synthase Kinase 3 Beta (GSK3b) and analogues was observed.
Sequence Length	28
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.27ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glycogen Synthase Kinase 3 Beta (GSK3b) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glycogen Synthase Kinase 3 Beta (GSK3b) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSK3b elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glycogen Synthase Kinase 3 Beta (GSK3b). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glycogen Synthase Kinase 3 Beta (GSK3b). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Glycogen Synthase Kinase 3 Beta (GSK3b), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Glycogen Synthase Kinase 3 Beta (GSK3b) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GSK3b elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730335
NCBI GeneID	2932
UniProt Accession #	P49841; Q9BWH3; Q9UL47; D3DN89
Molecular Weight	48,034 Da
NCBI Official Full Name	glycogen synthase kinase 3 beta, partial
NCBI Official Synonym Full Names	glycogen synthase kinase 3 beta
NCBI Official Symbol	GSK3B
NCBI Protein Information	glycogen synthase kinase-3 beta
UniProt Protein Name	Glycogen synthase kinase-3 beta
UniProt Gene Name	GSK3B
UniProt Synonym Gene Names	GSK-3 beta
UniProt Entry Name	GSK3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/glycogen-synthase-kinase-3-beta-gsk3b/136954>