

Rat Glycogen Synthase Kinase 3 Beta ELISA Kit | GSK-3beta elisa kit

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CATALOG #
AAA246995

REACTIVITY
Rat

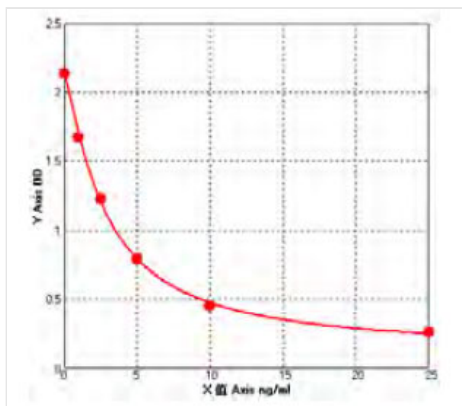
PRODUCT SYNONYMS

Glycogen Synthase Kinase 3 Beta; Rat Glycogen Synthase Kinase 3 Beta ELISA Kit; GSK-3beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GSK3beta. No significant cross-reactivity or interference between GSK3beta and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GSK3beta and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSK-3beta elisa kit	Intended Uses: This GSK3beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GSK3beta. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: GSK3beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GSK3beta antibody and an GSK3beta-HRP conjugate. The assay sample and buffer are incubated together with GSK3beta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GSK3beta concentration since GSK3beta from samples and GSK3beta-HRP conjugate compete for the anti-GSK3beta antibody binding site. Since the number of sites is limited, as more sites are occupied by GSK3beta from the sample, fewer sites are left to bind GSK3beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSK3beta concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20455502
NCBI GeneID	2932
Molecular Weight	48,034 Da
NCBI Official Full Name	Glycogen synthase kinase-3 beta
NCBI Official Synonym Full Names	glycogen synthase kinase 3 beta
NCBI Official Symbol	GSK3B
NCBI Protein Information	glycogen synthase kinase-3 beta; GSK-3 beta; GSK3beta isoform; serine/threonine-protein kinase GSK3B
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/gsk-3beta-rat-elisa-kits/glycogen-synthase-kinase-3-beta/246995>