

Guinea Pig Glycogen Synthase Kinase 3 Alpha ELISA Kit | GSK3a elisa kit

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CATALOG #
AAA84704

REACTIVITY
Guinea Pig

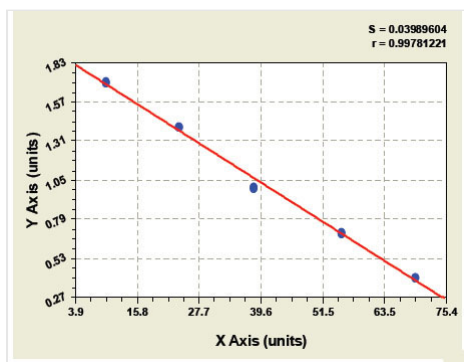
PRODUCT SYNONYMS

Glycogen Synthase Kinase 3 Alpha; Guinea pig Glycogen Synthase Kinase 3 Alpha ELISA Kit; GSK3a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GSK3a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig GSK3a. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSK3a elisa kit

Principle of the Assay: GSK3a ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GSK3a antibody and an GSK3a-HRP conjugate. The assay sample and buffer are incubated together with GSK3a-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 GSK3a concentration since GSK3a from samples and GSK3a-HRP conjugate compete for the anti-GSK3a antibody binding site. Since the number of sites is limited, as more sites are occupied by GSK3a from the sample, fewer sites are left to bind GSK3a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSK3a concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49574532
NCBI GeneID	2931
NCBI Accession #	NP_063937.2
NCBI GenBank Nucleotide #	NM_019884.2
Molecular Weight	50,981 Da
NCBI Official Full Name	glycogen synthase kinase-3 alpha
NCBI Official Synonym Full Names	glycogen synthase kinase 3 alpha
NCBI Official Symbol	GSK3A
NCBI Protein Information	glycogen synthase kinase-3 alpha; GSK-3 alpha; serine/threonine-protein kinase GSK3A
UniProt Protein Name	Glycogen synthase kinase-3 alpha
UniProt Gene Name	GSK3A
UniProt Synonym Gene Names	GSK-3 alpha
UniProt Entry Name	GSK3A_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/gsk3a-guinea-pig-pig-elisa-kits/glycogen-synthase-kinase-3-alpha/84704>