

GSK3 beta ELISA Kit | GSK3B elisa kit

GSK3 beta (Phospho-Ser9) Phospho Sandwich ELISA Kit

CATALOG # AAA318624	REACTIVITY Human, Mouse, Rat
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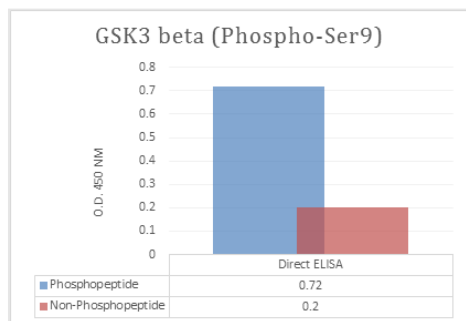
PRODUCT SYNONYMS

GSK3 beta; GSK3 beta (Phospho-Ser9) Phospho Sandwich ELISA Kit; Factor A; GSK-3 alpha; GSK3A; Glycogen synthase kinase-3 alpha; kinase GSK3-alpha; GSK3B elisa kit

PRODUCT SPECIFICATIONS

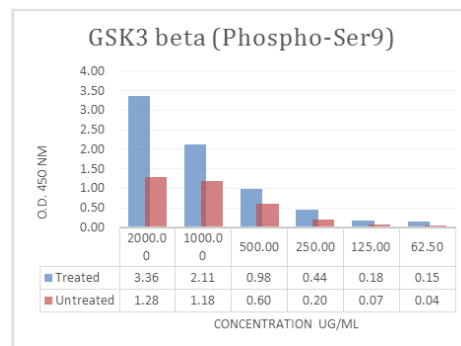
Reactivity	Human, Mouse, Rat
Specificity	The GSK3 beta (Phospho-Ser9) Phospho Sandwich ELISA Kit is a convenient, lysate- free, high throughput and sensitive assay kit that can detect GSK3 beta protein phosphorylation and expression profile in cell lysates. The kit can be used for measuring the relative amounts of phosphorylated GSK3 beta in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on GSK3 beta phosphorylation.
Sequence Length	420
Assay Type	Quantitative Sandwich
Preparation and Storage	Store entire kit at 4 degree C until use. Kit expiration is 3 months from date of shipment.

IMAGES



ELISA

Enzyme-Linked Immunosorbent Assay (ELISA) for immunogen phosphor-peptide (left) and non-phospho peptide (right), using Anti-GSK3 beta (Phospho-Ser9) Antibody.



Application Data

HeLa cells were grown to 90% confluency and were stimulated with EGF 200 ng/mL for 30 minutes. Cells were immediately lysed thereafter and measured for Total Protein Concentration and O.D. 450 nm of GSK3 beta P-Ser9 versus untreated HeLa lysates.

ADDITIONAL INFORMATION

Related Product Information for GSK3B elisa kit	Principle of the Assay: The Phospho Sandwich GSK3 beta (Phospho-Ser9) ELISA Kit contains the components necessary for semi-quantitative determination of GSK3 beta (Phospho-Ser9) concentrations within experimental cell lysate samples. This particular immunoassay utilizes the traditional "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope GSK3 beta (Phospho-Ser9) while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a colorimetric reaction to ensue upon substrate addition. When the substrate TMB (3, 3', 5, 5'-Tetramethylbenzidine) is added, the reaction catalyzed by peroxidase yields a blue color that is representative of the antigen concentration. Upon sufficient color development, the reaction can be terminated through addition of Stop Solution (2 N Sulfuric Acid) where the color of the solution will turn yellow. The absorbance of each well can then be read by a spectrophotometer where data analysis may begin.
Product Categories/Family for GSK3B elisa kit	Phospho Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	225903437
NCBI GeneID	2932
NCBI Accession #	NP_001139628.1
NCBI GenBank Nucleotide #	NP_001139628.1
UniProt Accession #	P49841
NCBI Official Full Name	glycogen synthase kinase-3 beta isoform 2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gsk3b-human-mouse-rat-elisa-kits/gsk3-beta/318624>