Rat Phosphorylated c-Jun N-terminal kinases/stress-activated protein kinase ELISA Kit | P-JNK/SAPK elisa kit

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CATALOG #	REACTIVITY
AAA95902	**Rat**

PRODUCT SYNONYMS

Phosphorylated c-Jun N-terminal kinases/stress-activated protein kinase; Rat Phosphorylated c-Jun N-terminal kinases/stress-activated protein kinase ELISA Kit; P-JNK/SAPK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P-JNK/SAPK elisa kit	**Intended Uses:** This P-JNK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat P-JNK. This ELISA kit for research use only! **Principle of the Assay:** P-JNK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-P-JNK antibody and an P-JNK-HRP conjugate. The assay sample and buffer are incubated together with P-JNK-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 P-JNK concentration since P-JNK from samples and P-JNK-HRP conjugate compete for the anti-P-JNK antibody binding site. Since the number of sites is limited, as more sites are occupied by P-JNK from the sample, fewer sites are left to bind P-JNK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P-JNK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	200405
NCBI GeneID	18776
Molecular Weight	25,159 Da

NCBI Official Full Name	placental lactogen II
NCBI Official Synonym Full Names	prolactin family 3, subfamily b, member 1
NCBI Official Symbol	Prl3b1
NCBI Official Synonym Symbols	PL; Pl2; Csh2; Pl-2; mplII; mPL-II
NCBI Protein Information	prolactin-3B1; PL-II; placental lactogen 2; placental lactogen II; chorionic somatomammotropin hormone 2
UniProt Protein Name	Prolactin-3B1
UniProt Gene Name	**Prl3b1**
UniProt Synonym Gene Names	Csh2; Pl-2; Pl2; PL-II
UniProt Entry Name	PR3B1_MOUSE

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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