

Rat Focal Adhesion Kinase (FAK) ELISA Kit | FAK elisa kit

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CATALOG #
AAA136640

REACTIVITY
Rat

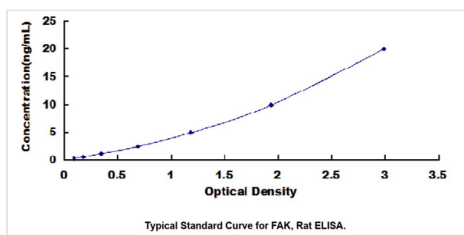
PRODUCT SYNONYMS

Focal Adhesion Kinase (FAK); Rat Focal Adhesion Kinase (FAK) ELISA Kit; PTK2; FADK; FAK1; Pp125FAK; PPP1R71; Protein Tyrosine Kinase 2; Focal adhesion kinase-related nonkinase; Protein phosphatase 1 regulatory subunit 71; FAK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FAK. No significant cross-reactivity or interference between FAK and analogues was observed.
Sequence Length	1052
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FAK were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FAK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 FAK elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FAK. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to FAK. 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 FAK, 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 FAK in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FAK in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for FAK elisa kit	Signal transduction; Enzyme & Kinase; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	439875
NCBI GeneID	5747
UniProt Accession #	Q05397; Q14291; Q8IYN9; Q9UD85; B4E2N6; F5H4S4; J3QT16
Molecular Weight	114,253 Da
NCBI Official Full Name	focal adhesion kinase
NCBI Official Synonym Full Names	protein tyrosine kinase 2
NCBI Official Symbol	PTK2
NCBI Official Synonym Symbols	FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK
NCBI Protein Information	focal adhesion kinase 1
UniProt Protein Name	Focal adhesion kinase 1
UniProt Gene Name	PTK2
UniProt Synonym Gene Names	FAK; FAK1; FADK 1; FRNK; PPP1R71
UniProt Entry Name	FAK1_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/focal-adhesion-kinase-fak/136640>