

Rat Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7) ELISA Kit | ARHGEF7 elisa kit

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CATALOG #
AAA66392

REACTIVITY
Rat

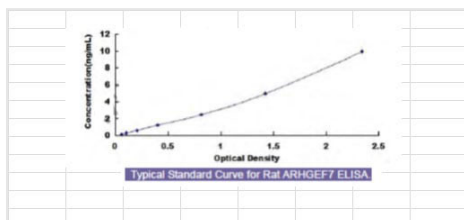
PRODUCT SYNONYMS

Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7); Rat Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7) ELISA Kit; PAK3; BETA-PIX; COOL1; P50; P50BP; P85; P85SPR; PIXB; SH3 Domain-Containing Proline-Rich Protein; PAK-Interacting Exchange Factor Beta; ARHGEF7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ARHGEF7. No significant cross-reactivity or interference between ARHGEF7 and analogues was observed.
Sequence Length	646
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ARHGEF7 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 ARHGEF7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARHGEF7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ARHGEF7 in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ARHGEF7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ARHGEF7. 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 ARHGEF7, 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 ARHGEF7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	165377118
NCBI GeneID	114559
NCBI Accession #	NP_001106994.1
NCBI GenBank Nucleotide #	NM_001113522.1
UniProt Accession #	O55043
Molecular Weight	73,140 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 7 isoform b
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor 7
NCBI Official Symbol	Arhgef7
NCBI Official Synonym Symbols	P85spr; Pak3bp
NCBI Protein Information	rho guanine nucleotide exchange factor 7
UniProt Protein Name	Rho guanine nucleotide exchange factor 7
UniProt Gene Name	Arhgef7
UniProt Synonym Gene Names	Pak3bp; Pixb

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/rho-guanine-nucleotide-exchange-factor-7-arhgef7/66392>