

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

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CATALOG # AAA68500	REACTIVITY Mouse
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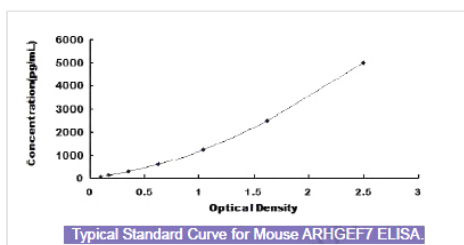
PRODUCT SYNONYMS

Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7); Mouse 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	Mouse
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	782
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<34pg/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%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARHGEF7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ARHGEF7 in mouse tissue homogenates or 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 #	165377085
NCBI GeneID	54126
NCBI Accession #	NP_001106989.1
NCBI GenBank Nucleotide #	NM_001113517.1
UniProt Accession #	Q9ES28; O08757; Q3UTS5; Q6XPA5; Q6ZQI5; Q8C750; Q91ZZ6; Q9ES27
Molecular Weight	79,696 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 7 isoform a
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor (GEF7)
NCBI Official Symbol	Arhgef7
NCBI Official Synonym Symbols	PIX; Cool; Pak3bp; cool-1; p85SPR; betaPix; p85Cool1; betaPix-b; betaPix-c; mKIAA0142
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	Kiaa0142; Pak3bp

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/mouse-elisa-kits/rho-guanine-nucleotide-exchange-factor-7-arhgef7/68500>