

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

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CATALOG #
AAA140240

REACTIVITY
Rat

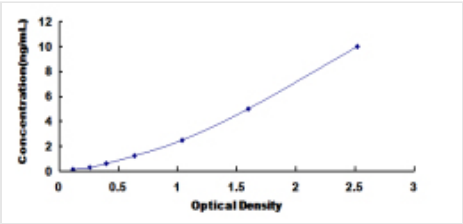
PRODUCT SYNONYMS

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 Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7). No significant cross-reactivity or interference between Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7) and analogues was observed.
Sequence Length	625
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 ARHGEF7 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Rho Guanine Nucleotide Exchange Factor 7 (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 Rho Guanine Nucleotide Exchange Factor 7 (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 Rho Guanine Nucleotide Exchange Factor 7 (ARHGEF7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ARHGEF7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	166064038
NCBI GeneID	8874
NCBI Accession #	NP_001106985.1
NCBI GenBank Nucleotide #	NM_001113513.1
UniProt Accession #	Q14155; Q3LIA4; Q5W9H0; Q6P9G3; Q6PII2; Q86W63; Q8N3M1; B1ALK6; B1ALK8
Molecular Weight	70,450 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 7 isoform a
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor (GEF) 7
NCBI Official Symbol	ARHGEF7
NCBI Official Synonym Symbols	P50; P85; PAK3; PIXB; COOL1; P50BP; COOL-1; P85SPR; BETA-PIX; P85COOL1; Nbla10314
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	COOL1; KIAA0142; P85SPR; PAK3BP; PIXB
UniProt Entry Name	ARHG7_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.