

Sheep Rap Guanine Nucleotide Exchange Factor 1 ELISA Kit | RAPGEF1 elisa kit

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CATALOG #
AAA96092

REACTIVITY
Sheep

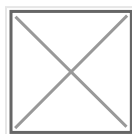
PRODUCT SYNONYMS

Rap Guanine Nucleotide Exchange Factor 1; Sheep Rap Guanine Nucleotide Exchange Factor 1 ELISA Kit; RAPGEF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 RAPGEF1 elisa kit

Principle of the assay: RAPGEF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RAPGEF1 antibody and an RAPGEF1-HRP conjugate. The assay sample and buffer are incubated together with RAPGEF1-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 RAPGEF1 concentration since RAPGEF1 from samples and RAPGEF1-HRP conjugate compete for the anti-RAPGEF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by RAPGEF1 from the sample, fewer sites are left to bind RAPGEF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RAPGEF1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38373675
NCBI GeneID	2889
NCBI Accession #	NP_005303.2
NCBI GenBank Nucleotide #	NM_005312.2
Molecular Weight	122,735 Da
NCBI Official Full Name	rap guanine nucleotide exchange factor 1 isoform a

NCBI Official Synonym Full Names	Rap guanine nucleotide exchange factor (GEF) 1
NCBI Official Symbol	RAPGEF1
NCBI Official Synonym Symbols	C3G; GRF2
NCBI Protein Information	rap guanine nucleotide exchange factor 1; CRK SH3-binding GNRP; guanine nucleotide-releasing factor 2 (specific for crk proto-oncogene)
UniProt Protein Name	Rap guanine nucleotide exchange factor 1
UniProt Gene Name	RAPGEF1
UniProt Synonym Gene Names	GRF2
UniProt Entry Name	RPGF1_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/rapgef1-sheep-elisa-kits/rap-guanine-nucleotide-exchange-factor-1/96092>