

Goat A kinase (PRKA) anchor protein (gravin) 12 ELISA Kit | AKAP12 elisa kit

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CATALOG #
AAA97038

REACTIVITY
Goat

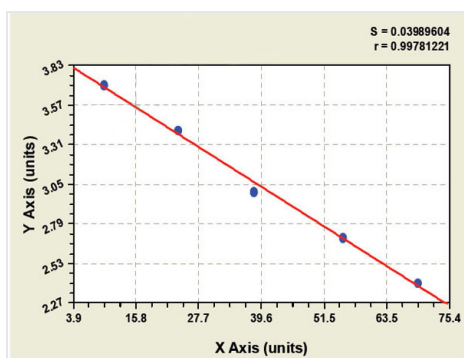
PRODUCT SYNONYMS

A kinase (PRKA) anchor protein (gravin) 12; Goat A kinase (PRKA) anchor protein (gravin) 12 ELISA Kit; AKAP12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
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 AKAP12 elisa kit

Intended Uses: This AKAP12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat AKAP12. This ELISA kit for research use only!

Principle of the Assay: AKAP12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AKAP12 antibody and an AKAP12-HRP conjugate. The assay sample and buffer are incubated together with AKAP12-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 AKAP12 concentration since AKAP12 from samples and AKAP12-HRP conjugate compete for the anti-AKAP12 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKAP12 from the sample, fewer sites are left to bind AKAP12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKAP12 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AKAP12 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21493024
NCBI GeneID	9590
NCBI Accession #	NP_653080.1
NCBI GenBank Nucleotide #	NM_144497.2
Molecular Weight	180,990 Da
NCBI Official Full Name	A-kinase anchor protein 12 isoform 2
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 12
NCBI Official Symbol	AKAP12
NCBI Official Synonym Symbols	SSeCKS; AKAP250
NCBI Protein Information	A-kinase anchor protein 12; AKAP 250; kinase scaffold protein gravin; A-kinase anchor protein, 250kDa; Src-Suppressed C Kinase Substrate; myasthenia gravis autoantigen gravin
UniProt Protein Name	A-kinase anchor protein 12
UniProt Gene Name	AKAP12
UniProt Synonym Gene Names	AKAP250; AKAP-12; AKAP 250
UniProt Entry Name	AKA12_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/akap12-goat-elisa-kits/a-kinase-prka-anchor-protein-gravin-12/97038>