

Porcine A-kinase anchor protein 4 (AKAP4) ELISA Kit | AKAP4 elisa kit

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CATALOG #
AAA245786

REACTIVITY
Porcine

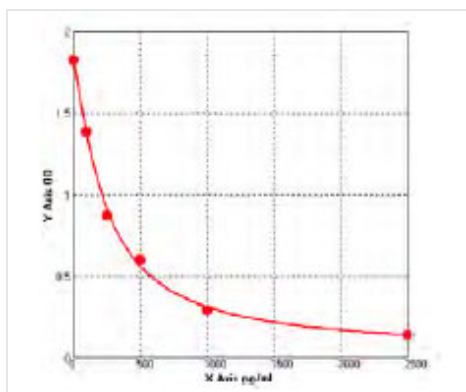
PRODUCT SYNONYMS

A-kinase anchor protein 4 (AKAP4); Porcine A-kinase anchor protein 4 (AKAP4) ELISA Kit; AKAP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 AKAP4 elisa kit

Intended Uses: This AKAP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine AKAP4. This ELISA kit for research use only!

Principle of the Assay: AKAP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AKAP4 antibody and an AKAP4-HRP conjugate. The assay sample and buffer are incubated together with AKAP4-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 AKAP4 concentration since AKAP4 from samples and AKAP4-HRP conjugate compete for the anti-AKAP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKAP4 from the sample, fewer sites are left to bind AKAP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKAP4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21493039
NCBI GeneID	8852
NCBI Accession #	NP_647450.1
NCBI GenBank Nucleotide #	NM_139289.1
Molecular Weight	93,445 Da
NCBI Official Full Name	A-kinase anchor protein 4 isoform 2
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 4
NCBI Official Symbol	AKAP4
NCBI Official Synonym Symbols	HI; p82; CT99; FSC1; PRKA4; AKAP-4; AKAP82; AKAP 82; hAKAP82
NCBI Protein Information	A-kinase anchor protein 4; testis-specific gene HI; cancer/testis antigen 99; A-kinase anchor protein 82 kDa; major sperm fibrous sheath protein; protein kinase A anchoring protein 4; protein kinase A-anchoring protein 4
UniProt Protein Name	A-kinase anchor protein 4
UniProt Gene Name	AKAP4
UniProt Synonym Gene Names	AKAP82; AKAP-4; AKAP 82; hAKAP82; HI; PRKA4
UniProt Entry Name	AKAP4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/porcine-elisa-kits/a-kinase-anchor-protein-4-akap4/245786>