

Human A kinase anchor protein 6 (AKAP6) ELISA Kit | AKAP6 elisa kit

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CATALOG #
AAA244715

REACTIVITY
Human

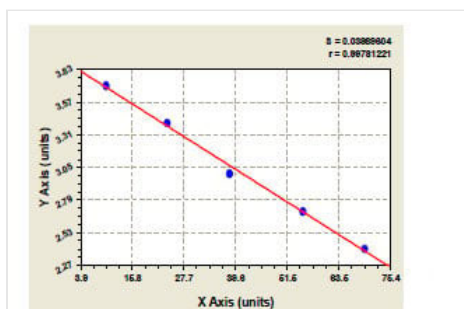
PRODUCT SYNONYMS

A kinase anchor protein 6 (AKAP6); Human A kinase anchor protein 6 (AKAP6) ELISA Kit; AKAP6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKAP6 elisa kit

Intended Uses: This AKAP6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKAP6. This ELISA kit for research use only!

Principle of the Assay||AKAP6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AKAP6 antibody and an AKAP6-HRP conjugate. The assay sample and buffer are incubated together with AKAP6-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 AKAP6 concentration since AKAP6 from samples and AKAP6-HRP conjugate compete for the anti-AKAP6 antibody binding site. Since the number of sites is limited, as more sites are occupied by AKAP6 from the sample, fewer sites are left to bind AKAP6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKAP6 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AKAP6 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21493045
NCBI GeneID	9472
NCBI Accession #	NP_004265.3
NCBI GenBank Nucleotide #	NM_004274.4
Molecular Weight	120,243 Da
NCBI Official Full Name	A-kinase anchor protein 6
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 6
NCBI Official Symbol	AKAP6
NCBI Official Synonym Symbols	ADAP6; PRKA6; mAKAP; ADAP100; AKAP100
NCBI Protein Information	A-kinase anchor protein 6; AKAP-6; AKAP 100; A-kinase anchor protein 100 kDa; protein kinase A anchoring protein 6; protein kinase A-anchoring protein 6
UniProt Protein Name	A-kinase anchor protein 6
UniProt Gene Name	AKAP6
UniProt Synonym Gene Names	AKAP100; KIAA0311; AKAP-6; AKAP 100; PRKA6
UniProt Entry Name	AKAP6_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/human-elisa-kits/a-kinase-anchor-protein-6-akap6/244715>