

# Human cAMP dependent protein kinase type II Alpha regulatory subunit (PRKAR2A) ELISA Kit | PRKAR2A elisa kit

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CATALOG #  
**AAA244504**

REACTIVITY  
**Human**

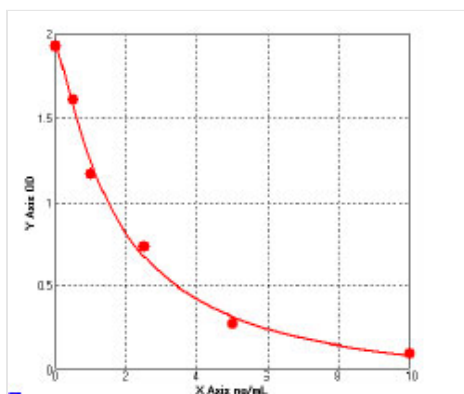
## PRODUCT SYNONYMS

cAMP dependent protein kinase type II Alpha regulatory subunit (PRKAR2A); Human cAMP dependent protein kinase type II Alpha regulatory subunit (PRKAR2A) ELISA Kit; PRKAR2A elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for PRKAR2A elisa kit | <p>Intended Uses: This PRKACB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRKACB. This ELISA kit for research use only!</p> <p>Principle of the Assay: PRKACB ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PRKACB antibody and an PRKACB-HRP conjugate. The assay sample and buffer are incubated together with PRKACB-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 PRKACB concentration since PRKACB from samples and PRKACB-HRP conjugate compete for the anti-PRKACB antibody binding site. Since the number of sites is limited, as more sites are occupied by PRKACB from the sample, fewer sites are left to bind PRKACB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRKACB concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for PRKAR2A elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4758958                                                                                                                                                         |
| NCBI GeneID                      | 5576                                                                                                                                                            |
| NCBI Accession #                 | NP_004148.1                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_004157.2                                                                                                                                                     |
| Molecular Weight                 | 45,518 Da                                                                                                                                                       |
| NCBI Official Full Name          | cAMP-dependent protein kinase type II-alpha regulatory subunit                                                                                                  |
| NCBI Official Synonym Full Names | protein kinase, cAMP-dependent, regulatory, type II, alpha                                                                                                      |
| NCBI Official Symbol             | PRKAR2A                                                                                                                                                         |
| NCBI Official Synonym Symbols    | PKR2; PRKAR2                                                                                                                                                    |
| NCBI Protein Information         | cAMP-dependent protein kinase type II-alpha regulatory subunit; protein kinase A, RII-alpha subunit; cAMP-dependent protein kinase regulatory subunit RII alpha |
| UniProt Protein Name             | cAMP-dependent protein kinase type II-alpha regulatory subunit                                                                                                  |
| UniProt Gene Name                | <b>PRKAR2A</b>                                                                                                                                                  |
| UniProt Synonym Gene Names       | PKR2; PRKAR2                                                                                                                                                    |
| UniProt Entry Name               | KAP2_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://www.aaabiotech.com/human-elisa-kits/camp-dependent-protein-kinase-type-ii-alpha-regulatory-subunit-prkar2a/244504>