

## Monkey Plakophilin 1 ELISA Kit | PKP1 elisa kit

Monkey Plakophilin 1 ELISA Kit

CATALOG #  
**AAA88495**

REACTIVITY  
**Monkey**

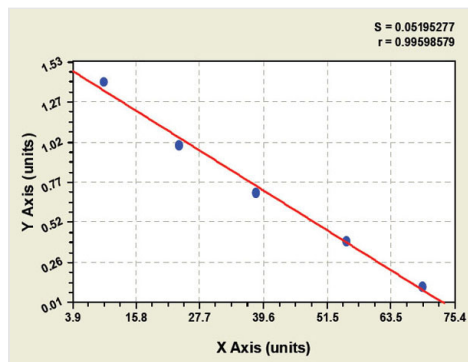
### PRODUCT SYNONYMS

Plakophilin 1; Monkey Plakophilin 1 ELISA Kit; PKP1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                              |
| Assay Type              | Sandwich                                                                                                                                                                                |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                             |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                |
| Intended Uses           | This PKP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey PKP1. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PKP1 elisa kit

**Principle of the Assay:** PKP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKP1 antibody and an PKP1-HRP conjugate. The assay sample and buffer are incubated together with PKP1-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 PKP1 concentration since PKP1 from samples and PKP1-HRP conjugate compete for the anti-PKP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PKP1 from the sample, fewer sites are left to bind PKP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 53729346                      |
| NCBI GeneID                      | 5317                          |
| NCBI Accession #                 | NP_000290.2                   |
| NCBI GenBank Nucleotide #        | NM_000299.3                   |
| Molecular Weight                 | 80,497 Da                     |
| NCBI Official Full Name          | plakophilin-1 isoform 1b      |
| NCBI Official Synonym Full Names | plakophilin 1                 |
| NCBI Official Symbol             | PKP1                          |
| NCBI Official Synonym Symbols    | B6P                           |
| NCBI Protein Information         | plakophilin-1; band 6 protein |
| UniProt Protein Name             | Plakophilin-1                 |
| UniProt Gene Name                | <b>PKP1</b>                   |
| UniProt Synonym Gene Names       | B6P                           |
| UniProt Entry Name               | PKP1_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/pkp1-monkey-elisa-kits/plakophilin-1/88495>