

Human Plakophilin 1 ELISA Kit | PKP1 elisa kit

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CATALOG #
AAA82161

REACTIVITY
Human

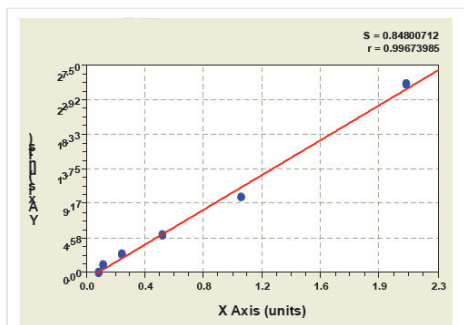
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or 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 Human 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PKP1. Standards or samples are then added to the microtiter plate wells and PKP1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PKP1 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PKP1 are added to each well to "sandwich" the PKP1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PKP1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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	PKP1
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://www.aaabiotech.com/pkp1-human-elisa-kits/plakophilin-1/82161>