

Human Plakophilin 1 (PKP1) ELISA Kit | PKP1 elisa kit

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CATALOG #
AAA67074

REACTIVITY
Human

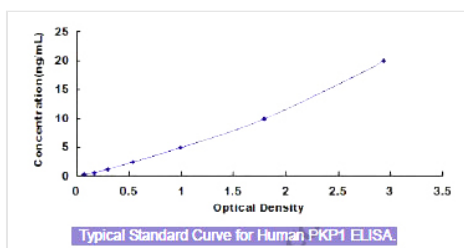
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PKP1. No significant cross-reactivity or interference between PKP1 and analogues was observed.
Sequence Length	747
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.122ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PKP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PKP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PKP1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PKP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PKP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PKP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PKP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53729346
NCBI GeneID	5317
NCBI Accession #	NP_000290.2
NCBI GenBank Nucleotide #	NM_000299.3
UniProt Accession #	Q13835; O00645; Q14CA0; Q15152
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
UniProt Protein Name	Plakophilin-1
UniProt Gene Name	PKP1
UniProt Synonym Gene Names	B6P

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/human-elisa-kits/plakophilin-1-pkp1/67074>