

Human Plakophilin-4 ELISA Kit | PKP4 elisa kit

Human Plakophilin-4 (PKP4) ELISA Kit

CATALOG #
AAA55750

REACTIVITY
Human

PRODUCT SYNONYMS

Plakophilin-4; Human Plakophilin-4 (PKP4) ELISA Kit; PKP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PKP4. No significant cross-reactivity or interference between Human PKP4 and analogues was observed.
Sequence Length	1149
Samples	serum, plasma and other biological fluids
Detection Range	31.25 pg/mL - 2000 pg/mL
Sensitivity	15.6 pg/mL (mean of 6 independent assays).
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PKP4 elisa kit	Intended Uses: For the quantitative detection of Human Plakophilin-4 (PKP4) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PKP4 in Human serum, plasma. An antibody specific for PKP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PKP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PKP4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PKP4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53829376
NCBI GeneID	8502
NCBI Accession #	NP_001005476.1
NCBI GenBank Nucleotide #	NM_001005476.2
UniProt Accession #	Q99569; Q86W91
Molecular Weight	127,144 Da

NCBI Official Full Name	plakophilin-4 isoform b
NCBI Official Synonym Full Names	plakophilin 4
NCBI Official Symbol	PKP4
NCBI Official Synonym Symbols	p0071
NCBI Protein Information	plakophilin-4
UniProt Protein Name	Plakophilin-4
UniProt Gene Name	PKP4

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://www.aaabiotech.com/pkp4-human-elisa-kits/plakophilin-4/55750>