

Human Plakophilin 2 ELISA Kit | PKP2 elisa kit

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CATALOG #
AAA82250

REACTIVITY
Human

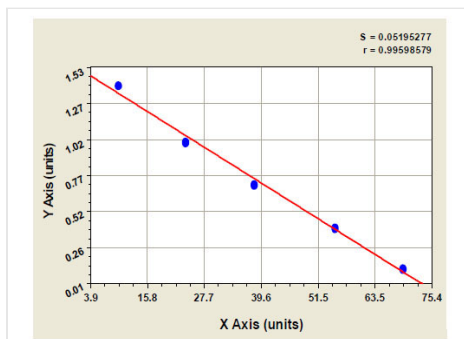
PRODUCT SYNONYMS

Plakophilin 2; Human Plakophilin 2 ELISA Kit; PKP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PKP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PKP2. 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 PKP2 elisa kit

Principle of the assay: PKP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKP2 antibody and an PKP2-HRP conjugate. The assay sample and buffer are incubated together with PKP2-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 PKP2 concentration since PKP2 from samples and PKP2-HRP conjugate compete for the anti-PKP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PKP2 from the sample, fewer sites are left to bind PKP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKP2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148664226
NCBI GeneID	5318
NCBI Accession #	NP_004563.2
NCBI GenBank Nucleotide #	NM_004572.3
Molecular Weight	92,756 Da
NCBI Official Full Name	plakophilin-2 isoform 2b
NCBI Official Synonym Full Names	plakophilin 2
NCBI Official Symbol	PKP2
NCBI Official Synonym Symbols	ARVD9
NCBI Protein Information	plakophilin-2
UniProt Protein Name	Plakophilin-2
UniProt Gene Name	PKP2
UniProt Entry Name	PKP2_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/pkp2-human-elisa-kits/plakophilin-2/82250>