

Human Pericentrin (PCNT) ELISA Kit | PCNT elisa kit

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CATALOG #
AAA331456

REACTIVITY
Human

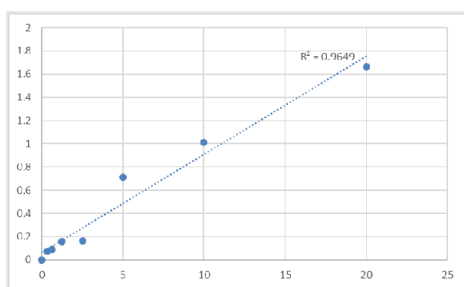
PRODUCT SYNONYMS

Pericentrin (PCNT); Human Pericentrin (PCNT) ELISA Kit; PCNT; KEN; MOPD2; PCN; PCNT2; PCNTB; PCTN2; SCKL4; kendrin; pericentrin B; pericentrin-2; pericentrin-380; PCNT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pericentrin (PCNT) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCNT. No significant cross-reactivity or interference between Human PCNT and analogues was observed.
Sequence Length	3336
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Pericentrin (PCNT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCNT elisa kit	Description: This Human Pericentrin (PCNT) ELISA Kit employs a two-site sandwich ELISA to quantitate PCNT in samples. An antibody specific for PCNT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCNT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCNT 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 PCNT bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pericentrin (kendrin), also known as PCNT, is a protein binds to calmodulin and is expressed in the centrosome. It is an integral component of the pericentriolar material (PCM). The protein contains a series of coiled coil domains and a highly conserved PCM targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component gamma-tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell cycle progression.Expressed in all tissues tested, including placenta, liver, kidney and thymus. pericentrin is a conserved integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81295809
NCBI GeneID	5116
NCBI Accession #	NP_006022.3
NCBI GenBank Nucleotide #	NP_006022.3
UniProt Accession #	O95613
NCBI Official Full Name	pericentrin isoform 1
NCBI Official Synonym Full Names	pericentrin
NCBI Official Symbol	PCNT
NCBI Official Synonym Symbols	KEN; PCN; MOPD2; PCNT2; PCNTB; PCTN2; SCKL4
NCBI Protein Information	pericentrin
UniProt Protein Name	Pericentrin
UniProt Gene Name	PCNT
UniProt Synonym Gene Names	KIAA0402; PCNT2
UniProt Entry Name	PCNT_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.