



Anti-PKP2 (aa 143-192) polyclonal antibody (CPBT-41325RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human PKP2.
Antigen Description	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This gene product may regulate the signaling activity of beta-catenin. Two alternately spliced transcripts encoding two protein isoforms have been identified. A processed pseudogene with high similarity to this locus has been mapped to chromosome 12p13.
Immunogen	Synthetic peptide corresponding to a region within N terminal amino acids 143 - 192(HPLRRLEISP DSSPERAHYT HSDYQYSQRS QAGHTLHHQE SRRAALLVPP) of Human Plakophilin 2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Nucleus. Cell junction, desmosome.Note: Nuclear and associated with desmosomes.
Format	Liquid
Size	50 µg

Buffer	Preservative: None Constituents: 2% Sucrose, PBS
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PKP2 plakophilin 2 [Homo sapiens]
Official Symbol	PKP2
Synonyms	PKP2; plakophilin 2; plakophilin-2; ARVD 9; ARVD9; PKP 2; Plakophilin2; ARVD9;
Entrez Gene ID	5318
Protein Refseq	NP_001005242
UniProt ID	Q99959
Chromosome Location	12p11
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem;
Function	binding; molecular_function;