



# Anti-PKP2 (C-terminal) polyclonal antibody (DPAB2378GH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Plakophilin 2
<b>Antigen Description</b>	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.
<b>Specificity</b>	PP2 antiserum stains specifically desmosomal plaques present in simple and glandular epithelia, the basal layer of certain stratified epithelia, all layers of some stratified epithelia, and desmosome-possessing nonepithelial cells such as myocardium, Purk
<b>Immunogen</b>	Human synthetic plakophilin 2 (C-terminal aa 820-837)
<b>Source/Host</b>	Guinea pig
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IF, IHC-Fr, IHC (PFA flxed), WB
<b>Format</b>	Stabilized antiserum
<b>Size</b>	100 µl
<b>Preservative</b>	None
<b>Storage</b>	At 2-8°C

# GENE INFORMATION

Gene Name	<a href="#">PKP2 plakophilin 2 [ Homo sapiens ]</a>
Official Symbol	PKP2
Synonyms	PKP2; plakophilin 2; ARVD9; Plakophilin-2; plakophilin-2; MGC177501
Entrez Gene ID	<a href="#">5318</a>
Protein Refseq	<a href="#">NP_004563</a>
UniProt ID	<a href="#">Q99959</a>
Chromosome Location	12p11
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Function	binding; molecular_function