

## Product datasheet for **TA342219**

### Plakophilin 2 (PKP2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PKP2 antibody: synthetic peptide directed towards the N terminal of human PKP2. Synthetic peptide located within the following region: HPLRRLEISPDSSPERAHYTHSDYQYSQRSQAGHTLHHQESRRAALLVPP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93 kDa
Gene Name:	plakophilin 2
Database Link:	<a href="#">NP_001005242</a> <a href="#">Entrez Gene 67451 Mouse</a> <a href="#">Entrez Gene 5318 Human</a> <a href="#">Q99959</a>



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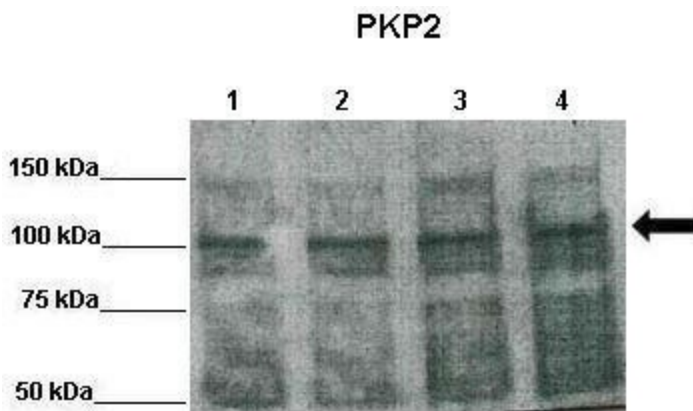
**Background:** This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This gene product 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. [provided by RefSeq, Jul 2008]

**Synonyms:** ARVD9

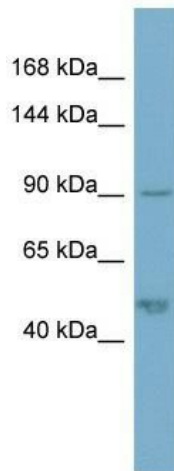
**Note:** Immunogen Sequence Homology: Human: 100%; Horse: 86%; Mouse: 86%; Dog: 79%; Rat: 77%; Bovine: 77%

**Protein Pathways:** Arrhythmogenic right ventricular cardiomyopathy (ARVC)

**Product images:**



WB Suggested Anti-PKP2 Antibody ; Positive Control: Lane 1-4: 20ug mouse keratinocyte lysate; Primary Antibody Dilution : 1:1000; Secondary Antibody : Anti-rabbit-HRP; Secondary Antibody Dilution : 1:6000;



WB Suggested Anti-PKP2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: COLO205 cell lysate PKP2 is supported by BioGPS gene expression data to be expressed in COLO205