

**ARG40836**  
**anti-Plakophilin 2 antibody**Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Plakophilin 2
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Hm
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Plakophilin 2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 863-881 of Human Plakophilin 2. (KKTDFVNSRTAKAYHSLKD)
Conjugation	Un-conjugated
Alternate Names	ARVD9; Plakophilin-2

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

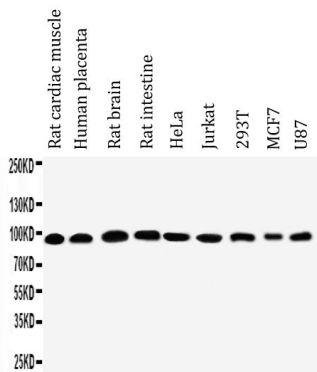
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PKP2
Gene Full Name	plakophilin 2
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]
Function	May play a role in junctional plaques. [UniProt]
Calculated Mw	97 kDa
Cellular Localization	Nucleus. Cell junction, desmosome. Note=Nuclear and associated with desmosomes. [UniProt]

Images



ARG40836 anti-Plakophilin 2 antibody WB image

Western blot: 40 µg of Rat cardiac muscle, Human placenta, Rat brain, Rat intestine, HeLa, Jurkat, 293T, MCF7 and U87 whole cell lysates stained with ARG40836 anti-Plakophilin 2 antibody at 0.5 µg/ml dilution.