

Rabbit PKP2 Polyclonal Antibody | anti-PKP2 antibody

PKP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327086	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

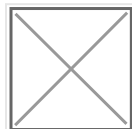
PRODUCT SYNONYMS

PKP2; Polyclonal Antibody; PKP2 Antibody; ARVD 9; ARVD9; PKP 2; PKP2_HUMAN; Plakophilin-2; Plakophilin2; anti-PKP2 antibody

PRODUCT SPECIFICATIONS

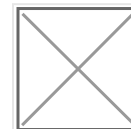
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PKP2 antibody detects endogenous levels of total PKP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	837
Applicable Applications for anti-PKP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PKP2
Subcellular Location	Nucleus. Cell Junction > Desmosome. Nuclear and associated with desmosomes.
Tissue Specificity	Detected in heart right ventricle (at protein level). Widely expressed. Found at desmosomal plaques in simple and stratified epithelia and in non-epithelial tissues such as myocardium and lymph node follicles. In most stratified epithelia found in the desmosomes of the basal cell layer and seems to be absent from suprabasal strata.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327086 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA327086 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of Mouse heart lysate, using PKP2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PKP2 antibody

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.

Function: May play a role in junctional plaques.

Subunit Structure: Interacts with DSC2. Interacts with JUP and desmoplakin/DSP.

Similarity: Belongs to the beta-catenin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148664186
NCBI GeneID	5318
NCBI Accession #	NP_001005242.2
NCBI GenBank Nucleotide #	NM_001005242.2
UniProt Accession #	Q99959; Q4VC01; Q99960; A0AV37; B8QFA1; B8QGS6; B8QGS7; D3DUW9
Molecular Weight	Observed: 94 kDa Predicted: 98 kDa
NCBI Official Full Name	plakophilin-2 isoform 2a
NCBI Official Synonym Full Names	plakophilin 2
NCBI Official Symbol	PKP2
NCBI Official Synonym Symbols	ARVD9
NCBI Protein Information	plakophilin-2
UniProt Protein Name	Plakophilin-2
UniProt Gene Name	PKP2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkg2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327086>