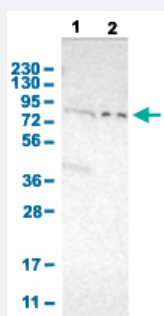


PKP2 polyclonal antibody

Catalog # PAB30599

Size 100 uL

Applications

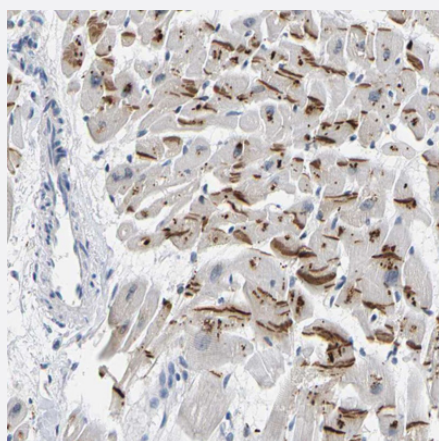


Western Blot (Cell lysate)

Western Blot analysis with PKP2 polyclonal antibody (Cat # PAB30599).

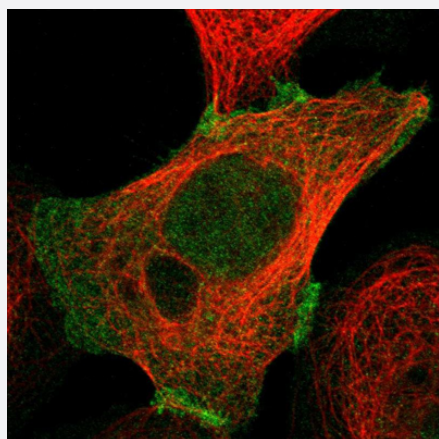
Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human heart muscle with PKP2 polyclonal antibody (Cat # PAB30599) shows strong cytoplasmic positivity in myocytes.



Immunofluorescence

Immunofluorescent staining of human cell line A-431 with PKP2 polyclonal antibody (Cat # PAB30599) shows positivity in cell junctions and nucleus but excluded from the nucleoli. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PKP2.
Immunogen	Recombinant protein corresponding to amino acids 72-194 of human PKP2.
Sequence	VGNGNLHRTSSVPEYVYNLHLVENDFVGGRSPVPKTYDMLKAGTTATYEGRWGRGTAQYSSQKS VEERSLRHPLRRLEISPDSSPERAHYTHSDYQYSQRSQAGHTLHHQESRRAALLVPPRY
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1 - 4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50 - 1:200) Western Blot (1:100 - 1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis with PKP2 polyclonal antibody (Cat # PAB30599).

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human heart muscle with PKP2 polyclonal antibody (Cat # PAB30599) shows strong cytoplasmic positivity in myocytes.

- Immunofluorescence

Immunofluorescent staining of human cell line A-431 with PKP2 polyclonal antibody (Cat # PAB30599) shows positivity in cell junctions and nucleus but excluded from the nucleoli. Antibody staining is shown in green.

Gene Info — PKP2

Entrez GeneID [5318](#)

Protein Accession# [Q99959](#)

Gene Name PKP2

Gene Alias ARVD9, MGC177501

Gene Description plakophilin 2

Omim ID [602861](#) [609040](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations -

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

Disease

- [Arrhythmias](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Cardiomyopathies](#)
- [Genetic Predisposition to Disease](#)

- [Tachycardia](#)