


Product datasheet

Anti-Plakophilin 2/PKP2 antibody ab189323

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Overview

Product name	Anti-Plakophilin 2/PKP2 antibody
Description	Goat polyclonal to Plakophilin 2/PKP2
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rabbit, Horse, Hamster, Cow, Dog, Gorilla, Bat 
Immunogen	Synthetic peptide corresponding to Human Plakophilin 2/PKP2 aa 100-200 (internal sequence) (Cysteine residue). (NP_001005242.2; NP_004563.2). Database link: Q99959 Run BLAST with Run BLAST with
Positive control	Human prostate tissue; Mouse and Rat heart lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

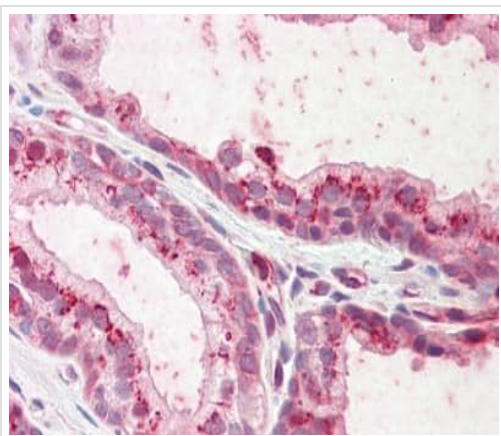
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab189323 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.3 - 1 µg/ml. Predicted molecular weight: 97 kDa.
IHC-P		Use a concentration of 3.75 µg/ml.

Target

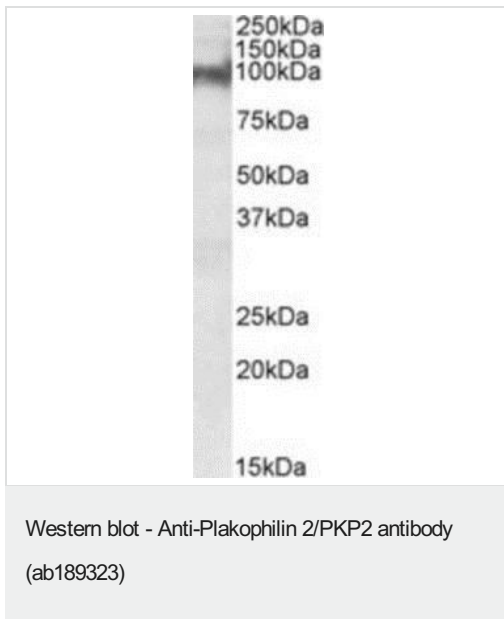
Function	May play a role in junctional plaques.
Tissue specificity	Detected in heart right ventricle (at protein level). Widely expressed. Found at desmosomal plaques in simple and stratified epithelia and in non-epithelial tissues such as myocardium and lymph node follicles. In most stratified epithelia found in the desmosomes of the basal cell layer and seems to be absent from suprabasal strata.
Involvement in disease	Familial arrhythmogenic right ventricular dysplasia 9
Sequence similarities	Belongs to the beta-catenin family. Contains 8 ARM repeats.
Cellular localization	Nucleus. Cell junction > desmosome. Nuclear and associated with desmosomes.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human prostate tissue, labeling Plakophilin 2/PKP2 with ab189323 at 3.75 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Plakophilin 2/PKP2 antibody (ab189323)



Anti-Plakophilin 2/PKP2 antibody (ab189323) at 0.3 µg/ml + Mouse heart lysate at 35 µg

Developed using the ECL technique.

Predicted band size: 97 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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