

bs-11063R**[Primary Antibody]****Plakophilin 2 Rabbit pAb****BioSS**
ANTIBODIES

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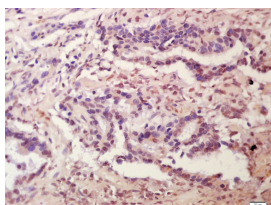
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 5318 Target: Plakophilin 2 Immunogen: KLH conjugated synthetic peptide derived from human Plakophilin 2: 801-881/881. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Plakophilins 1, 2, 3 and 4 (PKP1-4) influence development and participate in linking cadherins to cytoskeletal intermediate filaments. Plakophilins 1-4 contain arm-repeat (armadillo) domains, and localize to nuclei and cell desmosomes (cell-cell junctions found in suprabasal layers of stratifying epithelia that undergo mechanical stress). Plakophilin-1 mediates increases in desmosomal protein content, desmosome assembly, and regulation of cell migration. Plakophilin-2 is important for desmosome assembly and is an essential morphogenic factor and architectural component of the heart. Plakophilin-3 plays a role in both desmosome-dependent adhesion and signaling pathways. Plakophilin-4 is a component of desmosomal adhesion plaques that regulates junctional plaque organization and cadherin function.	Isotype: IgG SWISS: Q99959 Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 97 kDa Subcellular Location: Cell membrane ,Nucleus
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— VALIDATION IMAGES —

Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Plakophilin 2 Polyclonal Antibody, Unconjugated(bs-11063R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=5.08]** Akdis, Deniz, et al. "Myocardial Expression Profiles of Candidate Molecules in Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia compared to Dilated Cardiomyopathy and Healthy Controls." Heart Rhythm (2015). IHC ;="Human". 26569459