bs-11063R

[Primary Antibody]

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Plakophilin 2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 5318 SWISS: Q99959

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.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

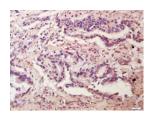
Reactivity: Human (predicted: Mouse,

Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted 97 kDa MW.:

Subcellular Location: Cell membrane , Nucleus

VALIDATION IMAGES



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; 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