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Datasheet for ABIN3032241

anti-Plakophilin 2 antibody (C-Term)

2 Images

Overview

Quantity:	100 µg
Target:	Plakophilin 2 (PKP2)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Plakophilin 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human PKP2 (KKTDFVNSRTAKAYHSLKD) was used as the immunogen for this Plakophilin 2 antibody (100% mouse homology).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Plakophilin 2 (PKP2)
Alternative Name:	Plakophilin 2 (PKP2 Products)
Background:	Plakophilin-2 is a protein that in humans is encoded by the PKP2 gene. This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. PKP2 is a constituent of the desmosomal plaque in simple epithelia, some stratified epithelia, and some nonepithelial

Target Details

cells. It is also enriched in the karyoplasm of cells of various types, including those lacking desmosomes. PKP proteins participate in linking cadherins to intermediate filaments in the cytoskeleton and this gene product may regulate the signaling activity of beta-catenin. Plakophilin-2 has been shown to interact with Desmoplakin, Plakoglobin and Desmoglein 1.

UniProt: [Q99959](#)

Pathways: [Cell-Cell Junction Organization](#), [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Plakophilin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

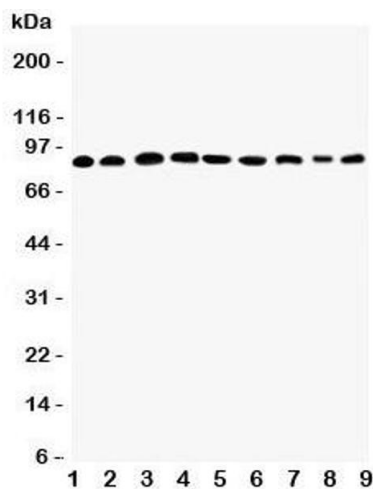
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

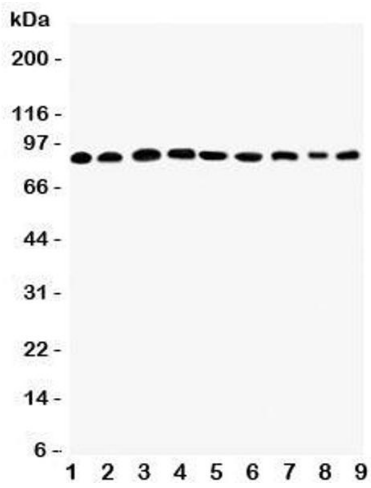
Storage Comment: After reconstitution, the Plakophilin 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of Plakophilin 2 antibody and
Lane 1: rat heart; 2: human placenta; 3: (r) brain; 4: (r) intestine; 5: (h) HeLa; 6: (h) Jurkat; 7: (h) 293T; 8: (h) MCF-7; 9: (h) U87 lysate. Expected/observed size ~88KD



Western Blotting

Image 2. Western blot testing of Plakophilin 2 antibody and
Lane 1: rat heart