

Datasheet for ABIN4949852

anti-Plakophilin 1 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Plakophilin 1 (PKP1)
Binding Specificity:	AA 1-27, N-Term
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Plakophilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A N-terminal human recombinant protein fragment was used as the immunogen for the Plakophilin 1 antibody. Its epitope maps to between amino acids 1-27 of human PKP1.
Clone:	10B2
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	Plakophilin 1 (PKP1)
Alternative Name:	Plakophilin 1 (PKP1 Products)
Background:	Recognizes a protein of 75 kDa, identified as Plakophilin 1 (PKP1). Plakophilins 1, 2, 3 and 4

Target Details

(PKP1-4) influence development and participate in linking cadherins to cytoskeletal intermediate filaments. PKP1-4 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). PKP2 is important for desmosome assembly and is an essential morphogenic factor and architectural component of the heart.

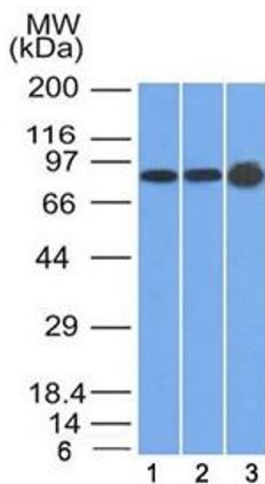
Application Details

Application Notes:	Optimal dilution of the Plakophilin 1 antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL,IF: 1-2 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Plakophilin 1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Western Blotting

Image 1. Western blot testing of human 1) U87, 2) HeLa and 3) A431 cell lysate with Plakophilin 1 antibody (clone 10B2). Expected molecular weight: 75-83 kDa.