

Datasheet for ABIN6940317

**anti-Plakophilin 1 antibody (N-Term)****2** Images[Go to Product page](#)

## Overview

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

## Product Details

Immunogen:	N-terminus of human Plakophilin-1 protein
Clone:	10B2
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 75 kDa, identified as Plakophilin-1. Its epitope maps between aa 1-27 human Plakophilin-1. 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 2 is important for desmosome assembly and is an essential morphogenic factor and architectural component of the heart.
Purification:	Purified by Protein A/G

## Target Details

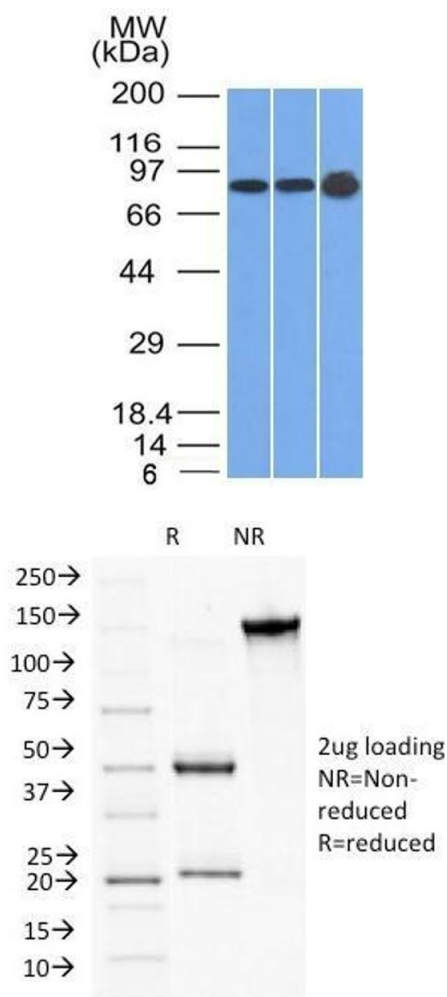
Target:	Plakophilin 1 (PKP1)
Alternative Name:	PKP1 ( <a href="#">PKP1 Products</a> )
Molecular Weight:	75kDa
Gene ID:	5317
UniProt:	<a href="#">Q13835</a>

## Application Details

Application Notes:	Positive Control: U87, HeLa and A431 cells. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 µg/mL)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



### Western Blotting

**Image 1.** Western Blot of U87, HeLa and A431 cell lysates using Plakophilin-1 Mouse Monoclonal Antibody (10B2)

### SDS-PAGE

**Image 2.** SDS-PAGE Analysis Purified CD56 Monoclonal Antibody (NCAM1/784). Confirmation of Integrity and Purity of Antibody