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Datasheet for ABIN6166972  
**anti-Plakophilin 1 antibody (N-Term) (Biotin)**

Overview

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

Product Details

Purpose:	Mouse Monoclonal anti-Plakophilin-1 (10B2), Biotin Conjugate
Immunogen:	N-terminus of human Plakophilin-1 protein (exact sequence is proprietary)
Clone:	10B2
Isotype:	IgG1
Characteristics:	This antibody 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. Primary antibodies are available

## Product Details

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purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

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Target:	Plakophilin 1 (PKP1)
Alternative Name:	Plakophilin-1 ( <a href="#">PKP1 Products</a> )
Background:	B6P, B, 6 protein, PKP1, Plakophilin-1 (ectodermal dysplasia/skin fragility syndrome)
Molecular Weight:	75 kDa
Gene ID:	5317, 497350
UniProt:	<a href="#">Q13835</a>

## Application Details

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Application Notes:	Flow Cytometry 0.5-1 µg/million cells/0.1 mL <ul style="list-style-type: none"><li>• Immunofluorescence 1-2 µg/mL</li><li>• Western blotting 0.5-1 µg/mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul>
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Comment:	HaCat Cells.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % 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.