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Datasheet for ABIN6938188

anti-Plakophilin 1 antibody (N-Term)

Overview

Quantity:	100 µg
Target:	Plakophilin 1 (PKP1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
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.
Cross-Reactivity (Details):	Human. Mouse.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Plakophilin 1 (PKP1)
Alternative Name:	PKP1 (PKP1 Products)
Background:	B6P, Band 6 protein, PKP1, Plakophilin-1 (ectodermal dysplasia/skin fragility syndrome),Plakophilin-1 (PKP1) Cellular localisation: Cell Surface and nuclear
Molecular Weight:	75kDa
Gene ID:	5317, 497350
UniProt:	Q13835

Application Details

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

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months