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## 36-2945: Anti-Plakophilin-1 (PKP1) Monoclonal Antibody(Clone: 10B2)

Clonality: Monoclonal **Clone Name:** 10B2 Application: FACS.IF.WB Reactivity: Human, Mouse

Gene: PKP1 Gene ID: 5317 **Uniprot ID:** 013835

**Alternative Name:** B6P; Band 6 protein; PKP1; Plakophilin-1 (ectodermal dysplasia/skin fragility syndrome)

Isotype: Mouse IgG1, kappa

Immunogen Information: N-terminus of human Plakophilin-1 protein

## **Description**

Recognizes a protein of 75kDa, 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.

## **Product Info**

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);

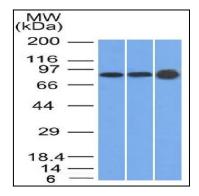


Fig. 1: Western Blot of U87, HeLa and A431 cell lysates using Plakophilin-1 Mouse Monoclonal Antibody (10B2)



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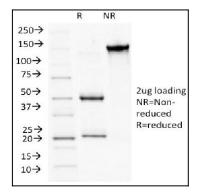


Fig. 2: SDS-PAGE Analysis Purified CD56 Monoclonal Antibody (NCAM1/784). Confirmation of Integrity and Purity of Antibody