

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	10B2
<b>Application :</b>	FACS,IF,WB
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	PKP1
<b>Gene ID :</b>	5317
<b>Uniprot ID :</b>	Q13835
<b>Alternative Name :</b>	B6P; Band 6 protein; PKP1; Plakophilin-1 (ectodermal dysplasia/skin fragility syndrome)
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	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.

#### Application Note

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

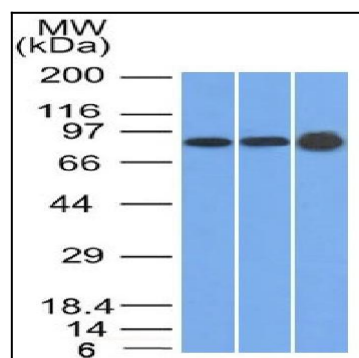


Fig. 1: Western Blot of U87, HeLa and A431 cell lysates using Plakophilin-1 Mouse Monoclonal Antibody (10B2)

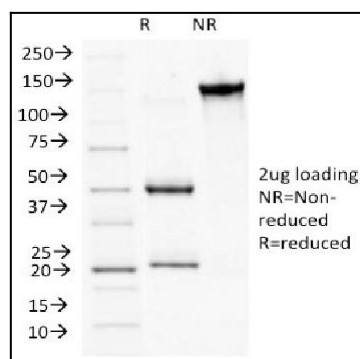


Fig. 2: SDS-PAGE Analysis Purified CD56 Monoclonal Antibody (NCAM1/784).  
Confirmation of Integrity and Purity of Antibody