

Plakophilin-1 (PKP1) Antibody

Mouse Monoclonal Antibody [Clone 10B2]

Catalog No	Format	Size
5317-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5317-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5317-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

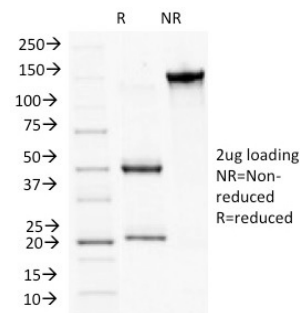
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

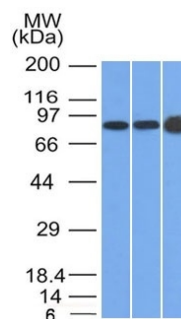
Clone	10B2
Gene Name	PKP1
Immunogen	N-terminus of human Plakophilin-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	75kDa
Cellular Localization	Cell junction, Desmosome, Nucleus
Species Reactivity	Human, Mouse
Positive Control	HeLa and A431 cells., U87

*Optimal dilution for a specific application should be determined.

Product Images for Plakophilin-1 (PKP1) Antibody



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



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

Specificity & Comments

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.

Supplied As

200ug/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.

Storage and Stability

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.

Research Areas

Apoptosis, Autophagy, Cardiovascular, Developmental Biology, Immunology, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
