

Anti-Plakophilin-1 (PKP1) Antibody

Mouse Monoclonal Antibody

Catalog # AH13436

Product Information

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|--------------------------|------------------------|
| Application | WB, IF, FC |
| Primary Accession | Q13835 |
| Other Accession | 497350 |
| Reactivity | Human, Mouse |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | Mouse / IgG1 |
| Clone Names | 10B2 |

Additional Information

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Names | B6P; Band 6 protein; PKP1; Plakophilin-1 (ectodermal dysplasia/skin fragility syndrome) |
| Application Note | Flow Cytometry (0.5-1ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Western Blotting (0.5-1.0ug/ml),Optimal dilution for a specific application should be determined. |
| Format | 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 | Store at 2 to 8°C.Antibody is stable for 24 months. |
| Precautions | Anti-Plakophilin-1 (PKP1) Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

Background

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.