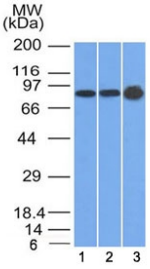
Plakophilin 1 Antibody [clone 10B2] (V3392)

Catalog No.	Formulation	Size
V3392-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3392-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3392SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

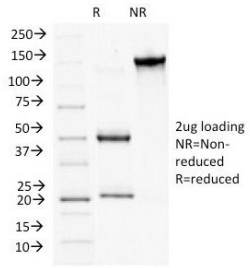
Citations (2)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	10B2
Purity	Protein G affinity chromatography
UniProt	Q13835
Localization	Cell surface, nuclear
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 1-2ug/ml Western blot: 0.5-1ug/ml
Limitations	This Plakophilin 1 antibody is available for research use only.



Western blot testing of human 1) U87, 2) HeLa and 3) A431 cell lysate with Plakophilin 1 antibody (clone 10B2). Expected molecular weight: 75-83 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Plakophilin 1 Antibody (clone 10B2). Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a protein of 75kDa, identified as Plakophilin 1 (PKP1). Plakophilins 1, 2, 3 and 4 (PKP1-4) influence development and participate in linking cadherins to cytoskeletal intermediate filaments. PKP1-4 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). PKP2 is important for desmosome assembly and is an essential morphogenic factor and architectural component of the heart.

Application Notes

Optimal dilution of the Plakophilin 1 antibody should be determined by the researcher.

Immunogen

A N-terminal human recombinant protein fragment was used as the immunogen for the Plakophilin 1 antibody. Its epitope maps to between amino acids 1-27 of human PKP1.

Storage

Store the Plakophilin 1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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