

For Research Use Only

Plakophilin 1 Recombinant antibody

Catalog Number: 85217-4-RR



Basic Information

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|--|---|---|
| Catalog Number: 85217-4-RR | GenBank Accession Number: BC114571 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 5317 | CloneNo.: 242834G8 |
| Source: Rabbit | UNIPROT ID: Q13835 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG | Full Name: plakophilin 1 (ectodermal dysplasia/skin fragility syndrome) | |
| Immunogen Catalog Number: AG18153 | Calculated MW: 747 aa, 83 kDa | |
| | Observed MW: 70-75 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: |
| Species Specificity: human, mouse | WB : mouse skin tissue, HEK-293 cells, A431 cells, PC-3 cells |

Background Information

Plakophilin 1, also known as PKP1, B6P, is a member of the arm-repeat protein family. PKP1 contains arm-repeat (armadillo) domains, localizes to nuclei and cell desmosomes, and participates in linking cadherins to intermediate filaments in the cytoskeleton (PMID: 10747098). PKP1 contributes to epidermal morphogenesis and facilitates the formation of intermediate filaments. Mutations in PKP1 have been associated with the ectodermal dysplasia/skin fragility syndrome (PubMed:9326952, 10852826).

Storage

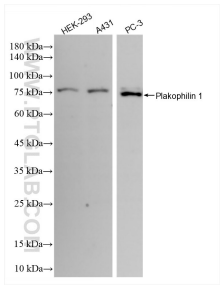
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

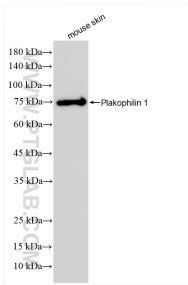
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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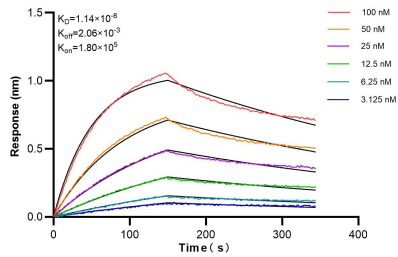
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85217-4-RR (Plakophilin 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



mouse skin tissue were subjected to SDS PAGE followed by western blot with 85217-4-RR (Plakophilin 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85217-4-RR against Human Plakophilin 1 were performed. The affinity constant is 11.4 nM.