

For Research Use Only

Plakophilin 1 Recombinant antibody

Catalog Number: 85217-4-RR



Basic Information

Catalog Number:

85217-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18153

GenBank Accession Number:

BC114571

GeneID (NCBI):

5317

UNIPROT ID:

Q13835

Full Name:

plakophilin 1 (ectodermal
dysplasia/skin fragility syndrome)

Calculated MW:

747 aa, 83 kDa

Observed MW:

70-75 kDa

Purification Method:

Protein A purification

CloneNo.:

242834G8

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

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

For technical support and original validation data for this product please contact:

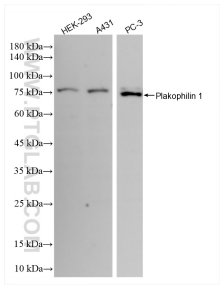
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E: Proteintech-CN@ptglab.com

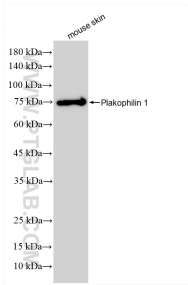
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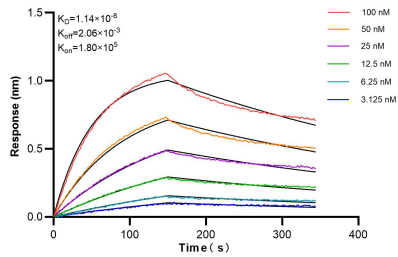
Selected Validation Data



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.