

For Research Use Only

Plakophilin 1 Recombinant antibody, PBS Only

Catalog Number: 85217-4-PBS



Basic Information

Catalog Number: 85217-4-PBS	GenBank Accession Number: BC114571	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 5317	CloneNo.: 242834G8
Source: Rabbit	UNIPROT ID: Q13835	
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

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

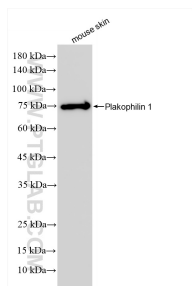
T: 4006900926

E: Proteintech-CN@ptglab.com

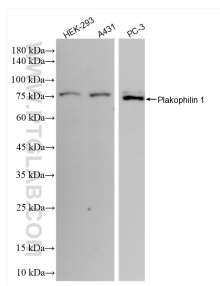
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

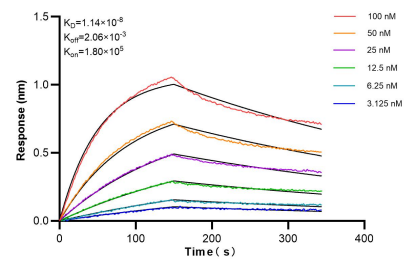
Selected Validation Data



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. This data was developed using the same antibody clone with 85217-4-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 85217-4-PBS in a different storage buffer formulation.



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