

For Research Use Only

# Plakophilin 1 Recombinant antibody, PBS Only

Catalog Number: 85217-4-PBS



## Basic Information

<b>Catalog Number:</b> 85217-4-PBS	<b>GenBank Accession Number:</b> BC114571	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5317	<b>CloneNo.:</b> 242834G8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13835	
<b>Isotype:</b> IgG	<b>Full Name:</b> plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	
<b>Immunogen Catalog Number:</b> AG18153	<b>Calculated MW:</b> 747 aa, 83 kDa	
	<b>Observed MW:</b> 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

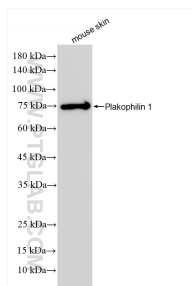
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

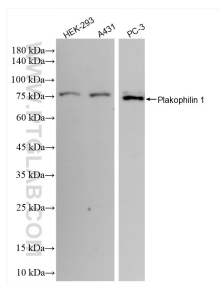
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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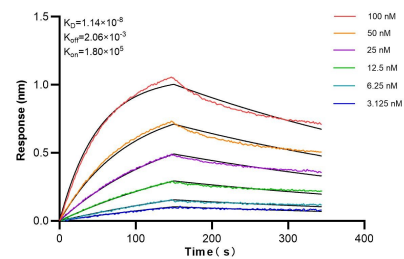
## Selected Validation Data



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.