

For Research Use Only

Plakophilin 1 Polyclonal antibody, PBS Only

Catalog Number: 22632-1-PBS



Basic Information

Catalog Number:

22632-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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

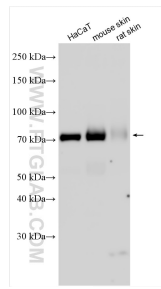
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

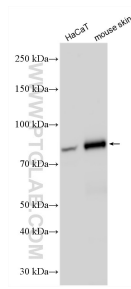
E: proteintech@ptglab.com
W: ptglab.com

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

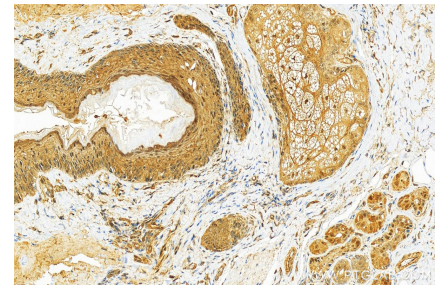
Selected Validation Data



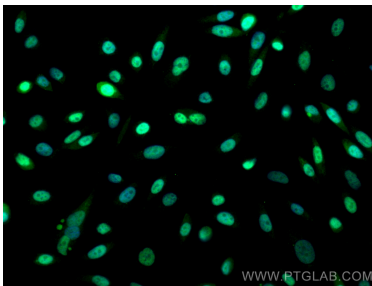
Various lysates were subjected to SDS PAGE followed by western blot with 22632-1-AP (PKP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22632-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 22632-1-AP (Plakophilin 1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22632-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 22632-1-AP (PKP1 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22632-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using PKP1 antibody (22632-1-AP) at dilution of 1:400 and Multi-rAb CoralLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 22632-1-PBS in a different storage buffer formulation.