

# Product Datasheet

## Plakophilin 1 Antibody - BSA Free NBP1-90042

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-90042**

Plakophilin 1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

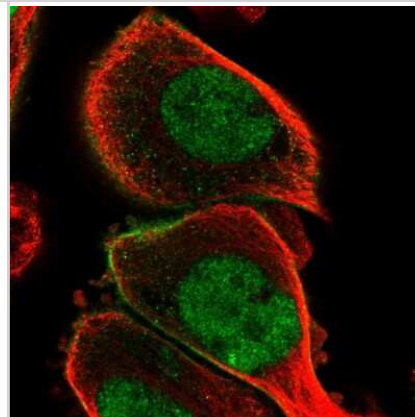
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Plakophilin 1 Antibody - BSA Free (NBP1-90042) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Plakophilin 1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5317
<b>Gene Symbol</b>	PKP1
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Mouse (84%).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: YTVRNLMASQPQLAKQYFSSSMLNNIINLCRSSASPKAAEAARLLLSDMWSSK ELQGVLRQQGFDRNMLGTLAGANSLRNFTSRF

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

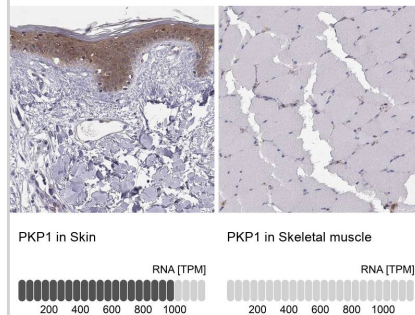


## Images

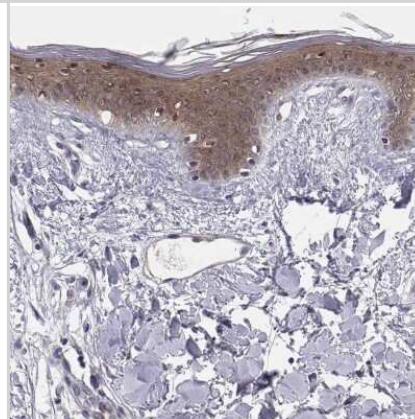
Immunocytochemistry/Immunofluorescence: Plakophilin 1 Antibody [NBP1-90042] - Immunofluorescent staining of human cell line PC-3 shows localization to nucleoplasm & plasma membrane.



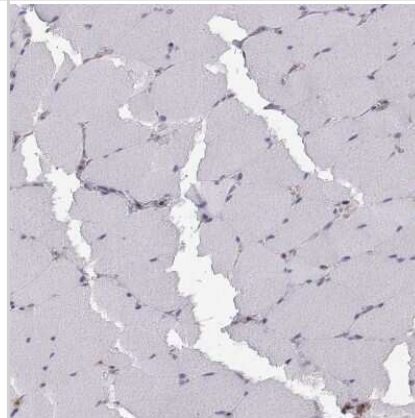
Analysis in human skin and skeletal muscle tissues using Anti-PKP1 antibody. Corresponding PKP1 RNA-seq data are presented for the same tissues.



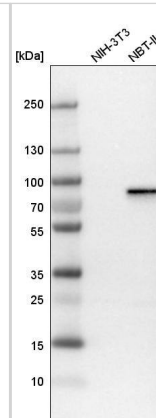
Immunohistochemistry-Paraffin: Plakophilin 1 Antibody [NBP1-90042] - Staining of human skin shows high expression.



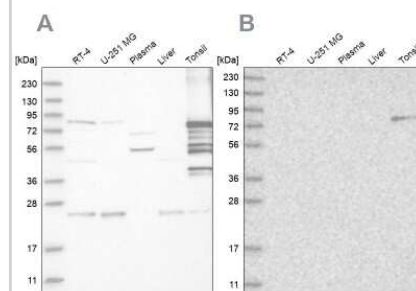
Immunohistochemistry-Paraffin: Plakophilin 1 Antibody [NBP1-90042] - Staining of human skeletal muscle shows low expression as expected.



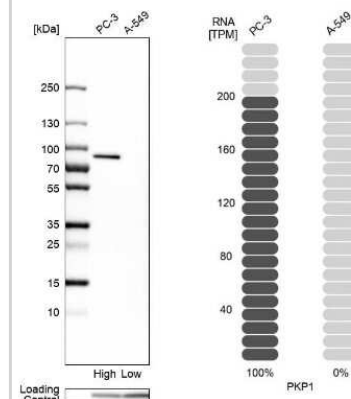
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Western Blot: Plakophilin 1 Antibody [NBP1-90042] - Analysis using Anti-PKP1 antibody NBP1-90042 (A) shows similar pattern to independent antibody NBP1-90041 (B).



Western Blot: Plakophilin 1 Antibody [NBP1-90042] - Analysis in human cell lines PC-3 and A-549 using anti-PKP1 antibody. Corresponding PKP1 RNA-seq data are presented for the same cell lines. Loading control: anti-PPIB.



## Publications

Kaz A, Luo Y, Dzieciatkowski S et al. Aberrantly methylated PKP1 in the progression of Barretts esophagus to esophageal adenocarcinoma. *Genes Chromosomes Cancer* 2012-04-01 [PMID: 22170739]



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### **Products Related to NBP1-90042**

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NBP1-90042PEP	Plakophilin 1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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