

# Product Datasheet

## Plakophilin 2 Antibody - BSA Free NBP1-86078

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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Updated 9/9/2025 v.20.1

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**NBP1-86078**

Plakophilin 2 Antibody - BSA Free

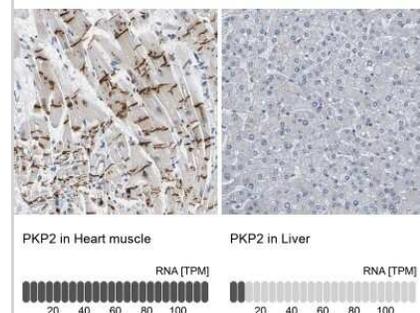
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Plakophilin 2 Antibody - BSA Free (NBP1-86078) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5318
Gene Symbol	PKP2
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VGNGNLHRTSSVPEYVYNLHLVENDFVGGRSPVPKTYDMLKAGTTATYEGRW GRGTAQYSSQKSVEERSLRHPLRRLEISPDSSPERAHYTHSDYQYSQRSQAG HTLHHQESRRAALLVPPRY

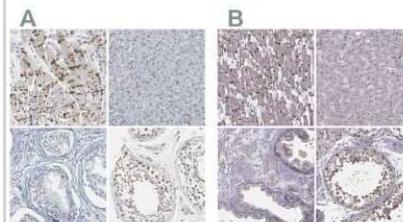
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin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

**Images**

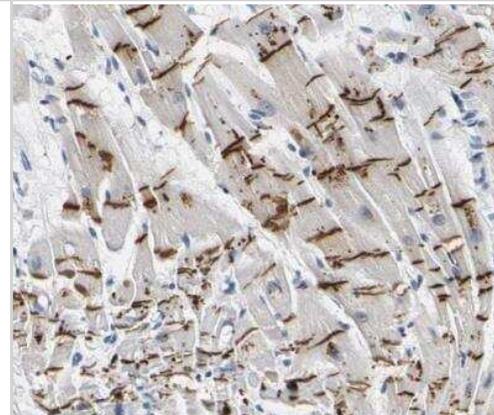
Immunohistochemistry-Paraffin: Plakophilin 2 Antibody [NBP1-86078] - Analysis in human heart muscle and liver tissues using NBP1-86078 antibody. Corresponding Plakophilin 2 RNA-seq data are presented for the same tissues.



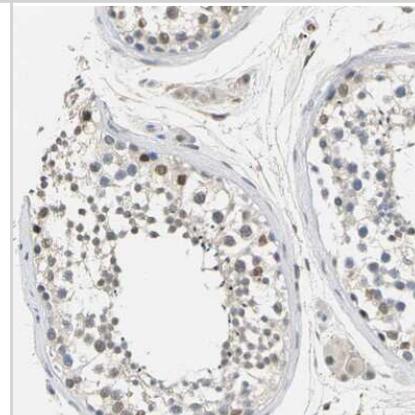
Immunohistochemistry-Paraffin: Plakophilin 2 Antibody [NBP1-86078] - Staining of human heart muscle, liver, prostate and testis using Anti-Plakophilin 2 antibody NBP1-86078 (A) shows similar protein distribution across tissues to independent antibody NBP2-58748 (B).



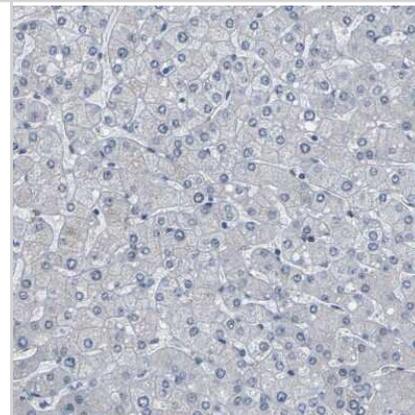
Immunohistochemistry-Paraffin: Plakophilin 2 Antibody [NBP1-86078] - Staining of human heart muscle shows strong positivity of intercalated discs.



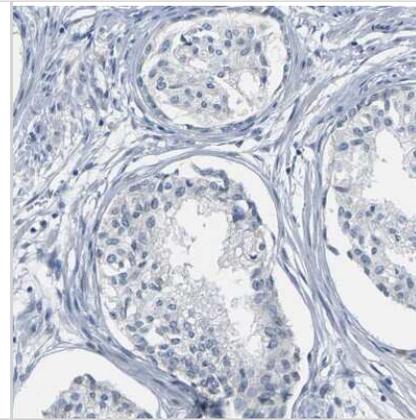
Immunohistochemistry-Paraffin: Plakophilin 2 Antibody [NBP1-86078] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



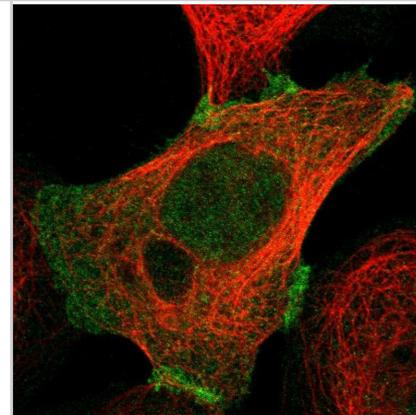
Immunohistochemistry-Paraffin: Plakophilin 2 Antibody [NBP1-86078] - Staining of human liver shows no positivity in hepatocytes as expected.



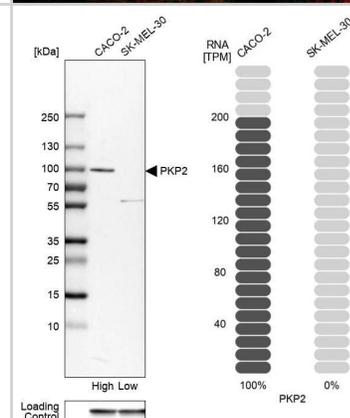
Immunohistochemistry-Paraffin: Plakophilin 2 Antibody [NBP1-86078] - Staining of human prostate shows low positivity in glandular cells as expected.



Staining of human cell line A-431 shows localization to nucleoplasm & cell junctions.



Analysis in human cell lines Caco-2 and SK-MEL-30 using Anti-PPK2 antibody. Corresponding PKP2 RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.





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### **Products Related to NBP1-86078**

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NBP1-86078PEP	Plakophilin 2 Recombinant Protein Antigen
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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