

# Product Datasheet

## P4HA2 Antibody - BSA Free NBP2-33878

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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**NBP2-33878**

P4HA2 Antibody - BSA Free

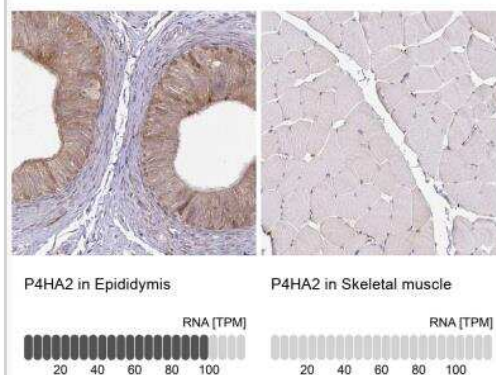
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<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 P4HA2 Antibody - BSA Free (NBP2-33878) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	8974
<b>Gene Symbol</b>	P4HA2
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: LKEYILVEEAKLSKIKSWANKMEALTSKSAADAEGYLAHPVNAYKLVKRLNTDW PALEDLVLQDSAAGFIANLSVQRQFFPTDEDEIGAALMRLQDQTYRLDPTIS RGELPGTKYQAMLSVDDCFGM

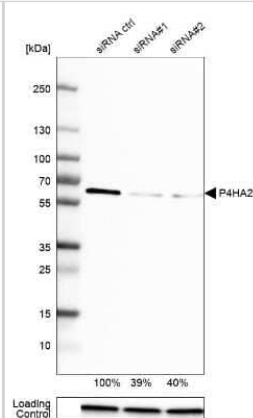
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

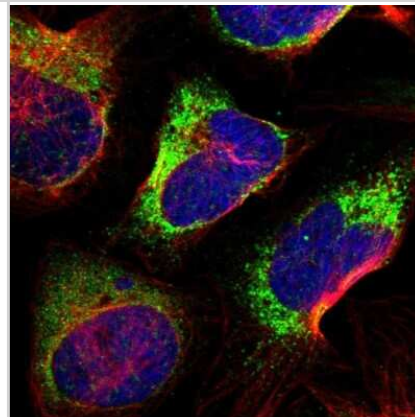
Immunohistochemistry-Paraffin: P4HA2 Antibody [NBP2-33878] - Analysis in human epididymis and skeletal muscle tissues. Corresponding P4HA2 RNA-seq data are presented for the same tissues.



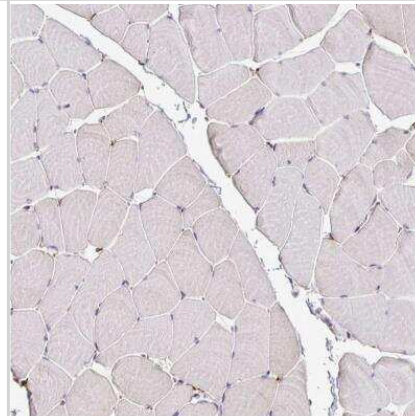
Western Blot: P4HA2 Antibody [NBP2-33878] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-P4HA2 antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.



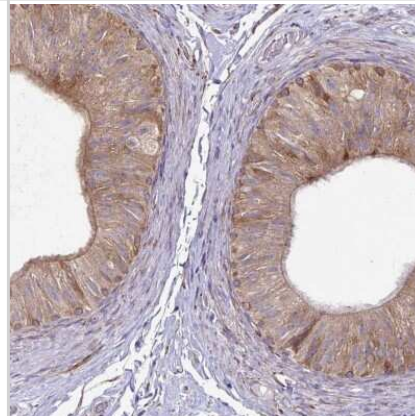
Immunocytochemistry/Immunofluorescence: P4HA2 Antibody [NBP2-33878] - Staining of human cell line U-2 OS shows localization to endoplasmic reticulum & vesicles. Antibody staining is shown in green.



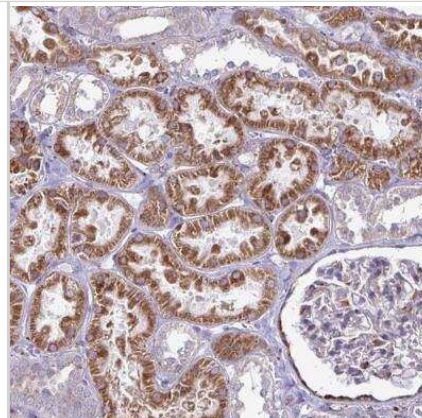
Immunohistochemistry-Paraffin: P4HA2 Antibody [NBP2-33878] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



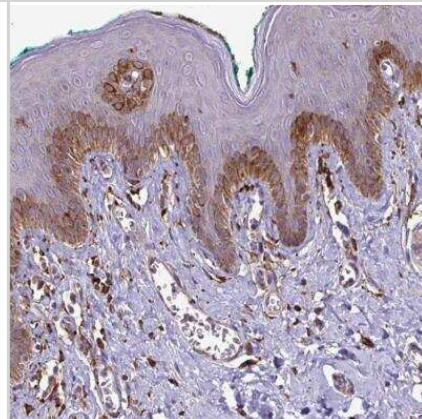
Immunohistochemistry-Paraffin: P4HA2 Antibody [NBP2-33878] - Staining of human epididymis shows high expression.



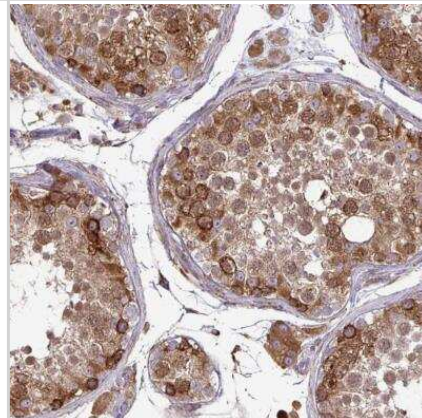
Immunohistochemistry-Paraffin: P4HA2 Antibody [NBP2-33878] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



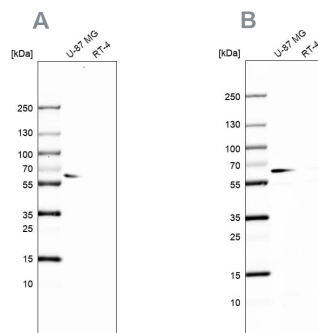
Immunohistochemistry-Paraffin: P4HA2 Antibody [NBP2-33878] - Staining of human skin shows strong cytoplasmic positivity in squamous epithelial cells.



Immunohistochemistry-Paraffin: P4HA2 Antibody [NBP2-33878] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



Analysis using NBP2-33878 (A) shows similar pattern to independent antibody NBP2-33909 (B).





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### **Products Related to NBP2-33878**

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NBP2-33878PEP	P4HA2 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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