

# Product Datasheet

## P4HA2 Antibody (CL0351) - BSA Free NBP2-52922

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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**NBP2-52922**

P4HA2 Antibody (CL0351) - 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>	Monoclonal
<b>Clone</b>	CL0351
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

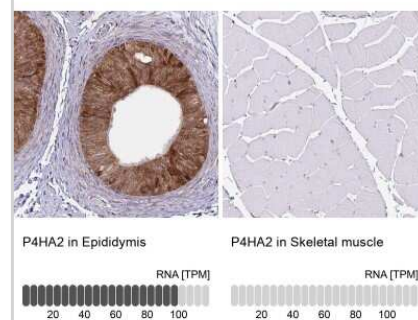
<b>Host</b>	Mouse
<b>Gene ID</b>	8974
<b>Gene Symbol</b>	P4HA2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
<b>Immunogen</b>	This antibody was developed using a recombinant protein derived from O15460, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

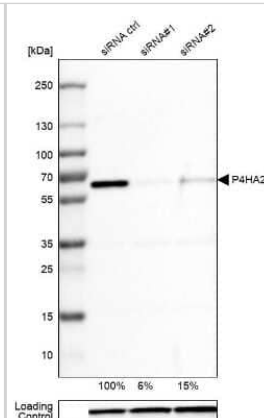
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

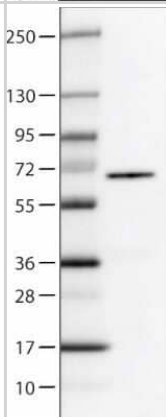
Immunohistochemistry-Paraffin: P4HA2 Antibody (CL0351) [NBP2-52922] - Staining in human epididymis and skeletal muscle tissues. Corresponding P4HA2 RNA-seq data are presented for the same tissues.



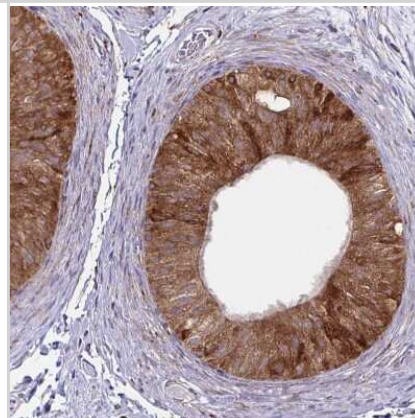
Western Blot: P4HA2 Antibody (CL0351) [NBP2-52922] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-P4HA2 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



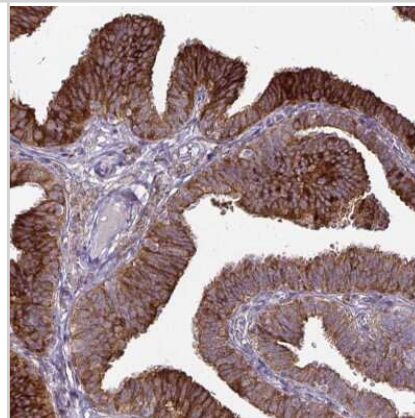
Western Blot: P4HA2 Antibody (CL0351) [NBP2-52922] - Lane 1: Marker [kDa], Lane 2: Human cell line U-251 MG



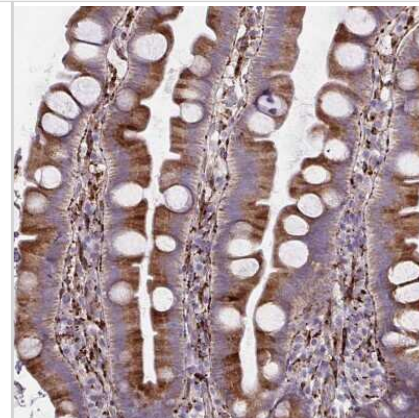
Immunohistochemistry-Paraffin: P4HA2 Antibody (CL0351) [NBP2-52922] - Staining of human epididymis shows moderate to strong cytoplasmic positivity in glandular cells.



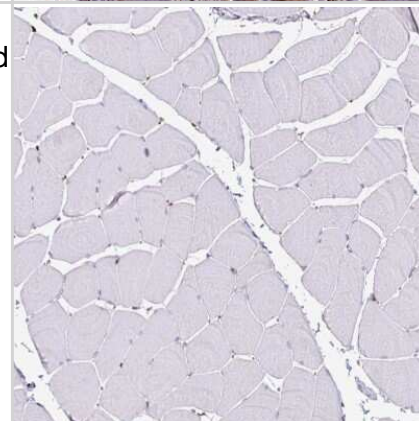
Immunohistochemistry-Paraffin: P4HA2 Antibody (CL0351) [NBP2-52922] - Staining of human fallopian tube shows moderate to strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: P4HA2 Antibody (CL0351) [NBP2-52922] - Staining of human small intestine shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: P4HA2 Antibody (CL0351) [NBP2-52922] - Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



## Publications

Zhang J, Lyu Z, Li B et al. P4HA2 induces hepatic ductular reaction and biliary fibrosis in chronic cholestatic liver diseases Hepatology (Baltimore, Md.) 2023-02-20 [PMID: 36799463] (IHC-P, Mouse)



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### **Products Related to NBP2-52922**

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NBP2-52922PEP	P4HA2 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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