

# Product Datasheet

## Sorbitol Dehydrogenase Antibody - BSA Free NBP1-87416

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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**NBP1-87416****Sorbitol Dehydrogenase Antibody - BSA Free**

<b>Product Information</b>	
<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>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

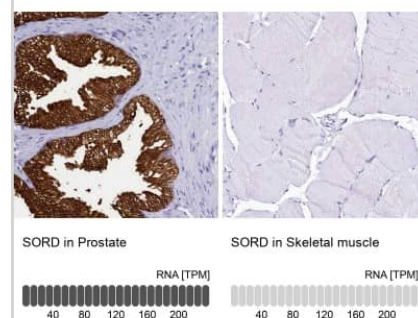
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Sorbitol Dehydrogenase Antibody - BSA Free (NBP1-87416) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Sorbitol Dehydrogenase Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6652
<b>Gene Symbol</b>	SORD
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (85%). Human reactivity reported in scientific literature (PMID: 24567419).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LLHAAIREVDIKGVFRYCNTPVVAISMLASKSVNVKPLVTHRFPLEKALEAFETF KKGLGLKIMLKCDPSDQNP

<b>Product Application Details</b>	
<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>	IHC, WB reported in scientific literature (PMID: 24567419). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

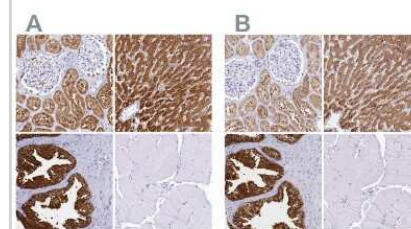


## Images

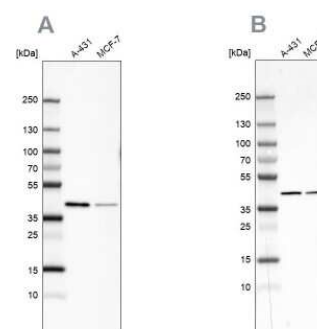
**Immunohistochemistry-Paraffin: Sorbitol Dehydrogenase Antibody [NBP1-87416]** - Analysis in human prostate and skeletal muscle tissues using NBP1-87416 antibody. Corresponding SORD RNA-seq data are presented for the same tissues.



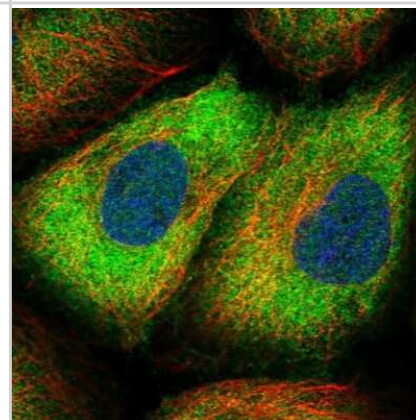
**Immunohistochemistry-Paraffin: Sorbitol Dehydrogenase Antibody [NBP1-87416]** - Staining of human kidney, liver, prostate and skeletal muscle using Anti-SORD antibody NBP1-87416 (A) shows similar protein distribution across tissues to independent antibody NBP1-87415 (B).



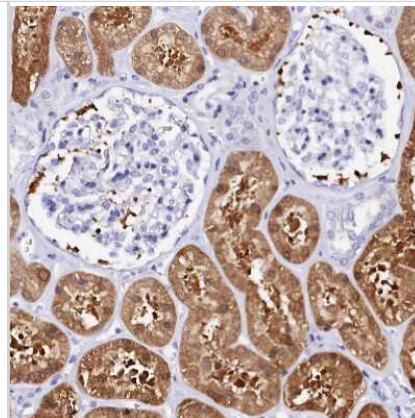
**Western Blot: Sorbitol Dehydrogenase Antibody [NBP1-87416]** - Analysis using Anti-SORD antibody NBP1-87416 (A) shows similar pattern to independent antibody NBP1-87415 (B).



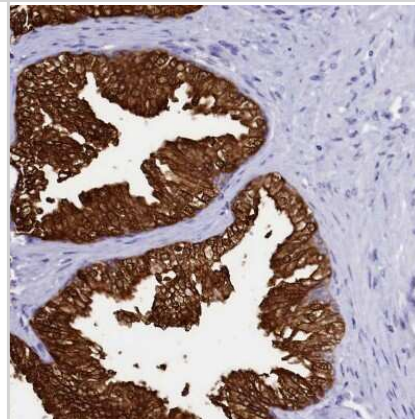
**Immunocytochemistry/Immunofluorescence: Sorbitol Dehydrogenase Antibody [NBP1-87416]** - Staining of human cell line A-431 shows localization to cytosol. Antibody staining is shown in green.



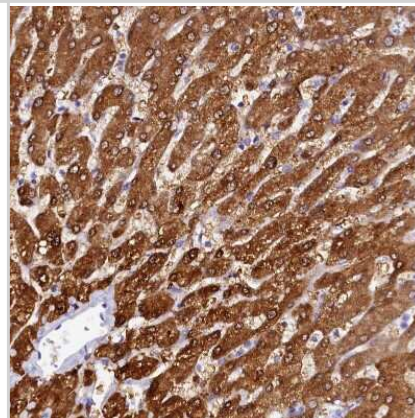
Immunohistochemistry-Paraffin: Sorbitol Dehydrogenase Antibody [NBP1-87416] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



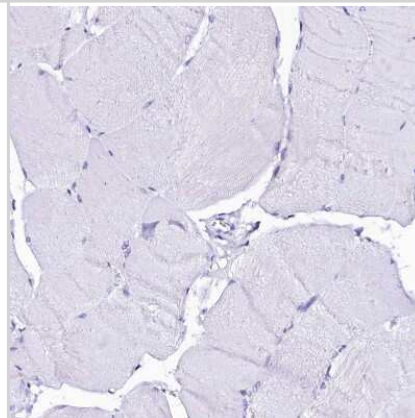
Immunohistochemistry-Paraffin: Sorbitol Dehydrogenase Antibody [NBP1-87416] - Staining of human prostate shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Sorbitol Dehydrogenase Antibody [NBP1-87416] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: Sorbitol Dehydrogenase Antibody [NBP1-87416] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



## Publications

Uzozie A, Nanni P, Staiano T et al. Sorbitol Dehydrogenase Overexpression and Other Aspects of Dysregulated Protein Expression in Human Precancerous Colorectal Neoplasms: A Quantitative Proteomics Study. Mol Cell Proteomics 2014-05-01 [PMID: 24567419] (IF/IHC, WB, Human)



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### **Products Related to NBP1-87416**

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NBP1-87416PEP	Sorbitol Dehydrogenase 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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