

# Product Datasheet

## Cytochrome b5 type A Antibody - BSA Free NBP2-49284

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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Updated 3/4/2026 v.20.1

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**NBP2-49284**

Cytochrome b5 type A Antibody - BSA Free

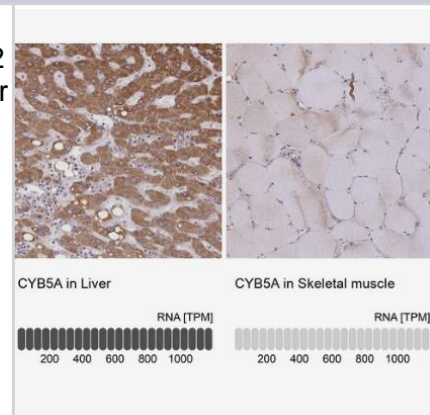
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	1528
Gene Symbol	CYB5A
Species	Human
Reactivity Notes	Mouse (85%), Rat (87%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: MAEQSDEAVKYITLEEIQKHNHSKSTWLILHHKVYDLTKFLAEHPGG

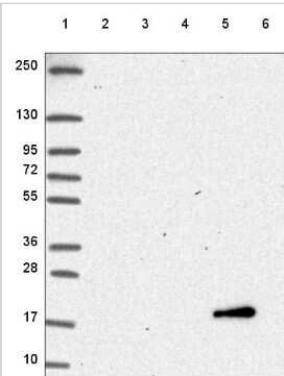
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 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. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Testes, separated by Size, antibody dilution of 1:20, apparent MW was 20 kDa

**Images**

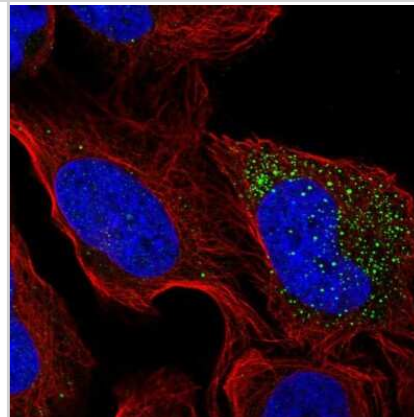
Immunohistochemistry-Paraffin: Cytochrome b5 type A Antibody [NBP2-49284] - Analysis in human liver and skeletal muscle tissues using NBP2-49284 antibody. Corresponding CYB5A RNA-seq data are presented for the same tissues.



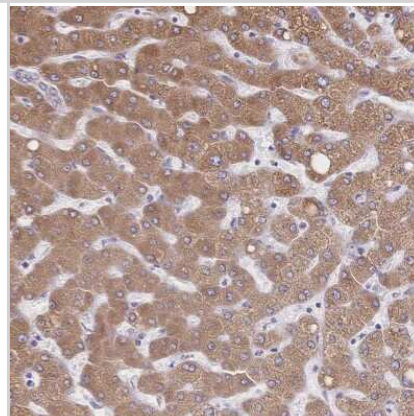
Western Blot: Cytochrome b5 type A Antibody [NBP2-49284] - Lane 1:  
 Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10  
 Lane 2: Human cell line RT-4  
 Lane 3: Human cell line U-251 MG  
 Lane 4: Human plasma  
 Lane 5: Human Liver tissue  
 Lane 6: Human Tonsil tissue



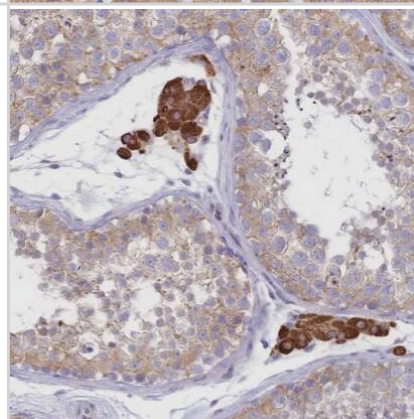
Immunocytochemistry/Immunofluorescence: Cytochrome b5 type A Antibody [NBP2-49284] - Immunofluorescent staining of human cell line U-2 OS shows localization to cytosol & vesicles. Antibody staining is shown in green.



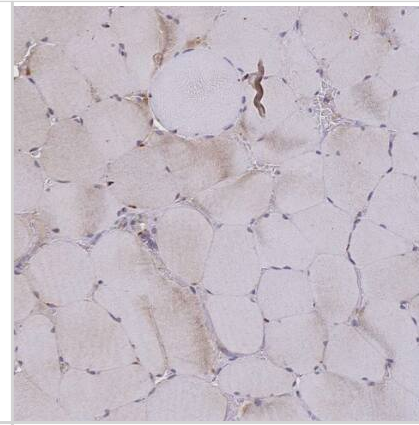
Immunohistochemistry-Paraffin: Cytochrome b5 type A Antibody [NBP2-49284] - Staining of human liver shows high expression.



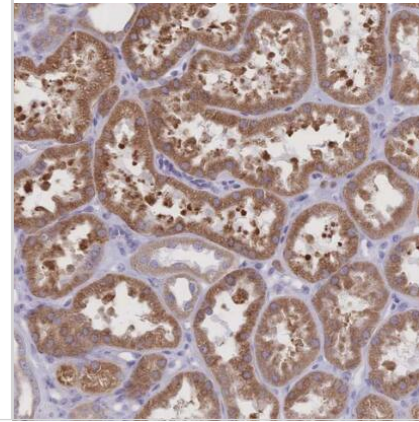
Immunohistochemistry-Paraffin: Cytochrome b5 type A Antibody [NBP2-49284] - Staining of human Testis shows strong cytoplasmic positivity in Leydig cells.



Immunohistochemistry-Paraffin: Cytochrome b5 type A Antibody [NBP2-49284] -Staining of human Skeletal muscle shows very weak cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: Cytochrome b5 type A Antibody [NBP2-49284] -Staining of human Kidney shows strong cytoplasmic positivity in cells in tubules.



## Publications

Savchuk I, Morvan M. L, et al. Ontogenesis of human fetal testicular steroidogenesis at early gestational age. Steroids 2019-01-01 [PMID: 30529237] (Simple Western, IHC, Human)



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### **Products Related to NBP2-49284**

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NBP2-49284PEP	Cytochrome b5 type A 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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