

# Product Datasheet

## CYB5R3 Antibody - BSA Free

### NBP1-84252

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)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-84252](http://www.novusbio.com/NBP1-84252)

Updated 12/2/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-84252](http://www.novusbio.com/reviews/destination/NBP1-84252)



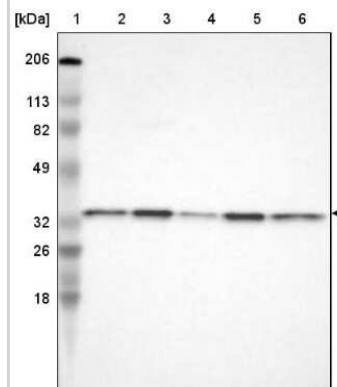
**NBP1-84252**

CYB5R3 Antibody - BSA Free

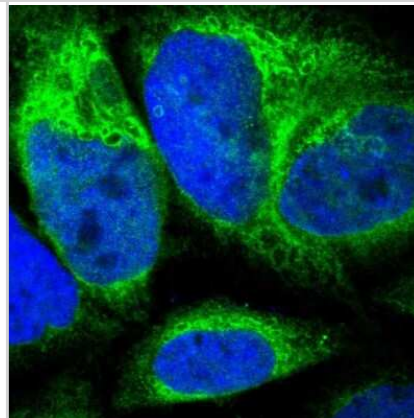
| Product Information          |  |
|------------------------------|--|
| <b>Unit Size</b>             | 0.1 ml   |
| <b>Concentration</b>         | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>               | Store 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 CYB5R3 Antibody - BSA Free (NBP1-84252) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CYB5R3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                  | Rabbit   |
| <b>Gene ID</b>               | 1727   |
| <b>Gene Symbol</b>           | CYB5R3   |
| <b>Species</b>               | Human, Mouse   |
| <b>Reactivity Notes</b>      | Immunogen displays the following percentage of sequence identity for non-tested species: Rat (86%). Mouse reactivity reported in scientific literature (PMID: 25144769).   |
| <b>Immunogen</b>             | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>SGLLVYQGKKGKFAIRPDKKSNPIIRTVKSVGMIAGGTGITPMLQVIRAIMKDPDD<br>HTVCHLLFANQTEKDILLRPELEELRNKHSARFKLWYTLDRAPEAWDYGQGFV<br>NEEMIRDHLPPPEEEPLVLMCGPPPMIQYACLPLNDH  |
| Product Application Details  |  |
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry   |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500   |
| <b>Application Notes</b>     | WB reported in scientific literature (PMID: 25144769). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.   |

## Images

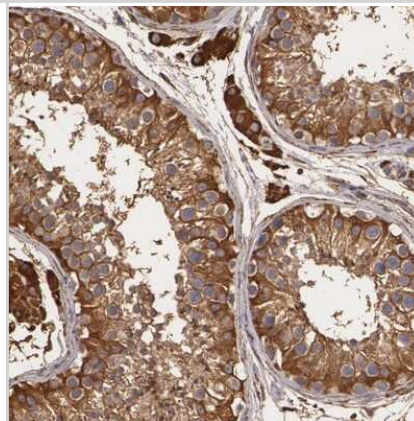
Western Blot: CYB5R3 Antibody [NBP1-84252] - Lane 1: Marker [kDa] 206, 113, 82, 49, 32, 26, 18. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human cell line A-431. Lane 5: Human liver tissue. Lane 6: Human tonsil tissue



Immunocytochemistry/Immunofluorescence: CYB5R3 Antibody [NBP1-84252] - Staining of human cell line A-431 shows localization to endoplasmic reticulum. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: CYB5R3 Antibody [NBP1-84252] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.



## Publications

Jakobs HH, Mikula M, Havemeyer A et al. The N-Reductive System Composed of Mitochondrial Amidoxime Reducing Component (mARC), Cytochrome b5 (CYB5B) and Cytochrome b5 Reductase (CYB5R) Is Regulated by Fasting and High Fat Diet in Mice. PLoS One 2014-01-01 [PMID: 25144769] (WB, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-84252**

---

|               |   |
|---------------|---|
| NBP1-84252PEP | CYB5R3 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                          |

---

### **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)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-84252](http://www.novusbio.com/reviews/submit/NBP1-84252)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

