

# Product Datasheet

## IZUMO1 Antibody - BSA Free

### NBP1-83086

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)

**Reviews: 1 Publications: 1**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-83086](http://www.novusbio.com/NBP1-83086)

Updated 9/9/2025 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/NBP1-83086](http://www.novusbio.com/reviews/destination/NBP1-83086)



**NBP1-83086**

IZUMO1 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              | Immunogen affinity purified  |
| Buffer              | PBS (pH 7.2) and 40% Glycerol  |

| Product Description |  |
|---------------------|--|
| Description         | Novus Biologicals Rabbit IZUMO1 Antibody - BSA Free (NBP1-83086) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-IZUMO1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit   |
| Gene ID             | 284359   |
| Gene Symbol         | IZUMO1   |
| Species             | Human, Porcine   |
| Reactivity Notes    | Porcine reactivity reported from a verified customer review.   |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>VVLALKSLEKDYLPGLDAKHHKAMMERVENAVKDFQELSLNEDAYMGVVDE<br>ATLQKGSWSLLKDLKRITDSVDKGLFVKELFWMLHLQKETFATYVARFQKEA<br>YCPNKCGLMLQTLIWCKNCKKEVHACRKS YDCGERNVEVPQM  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunocytochemistry  |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Immunocytochemistry   |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. Use in Immunocytochemistry reported in scientific literature (PMID:31391940). IZUMO1 antibody validated for WB from a verified customer review. |

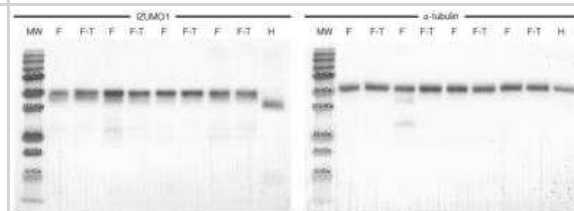


## Images

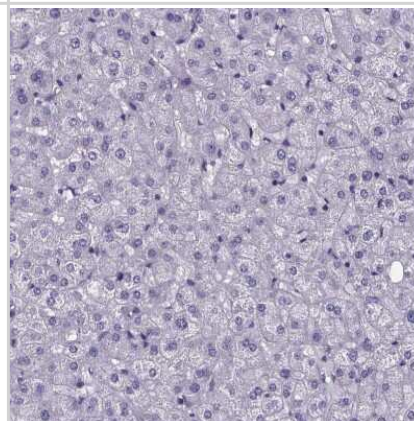
Immunohistochemistry-Paraffin: IZUMO1 Antibody [NBP1-83086] - Analysis in human testis and liver tissues. Corresponding IZUMO1 RNA-seq data are presented for the same tissues.



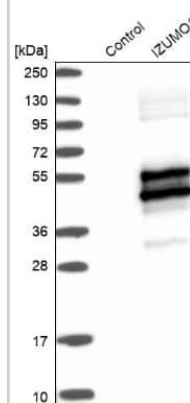
Western Blot: IZUMO1 Antibody [NBP1-83086] - Protein extracts from four different pig ejaculates and a human sample. Lanes F: fresh sperm. Lanes F-T: frozen-thawed sperm. Lanes H: human fresh sperm. Image submitted by a verified customer review.



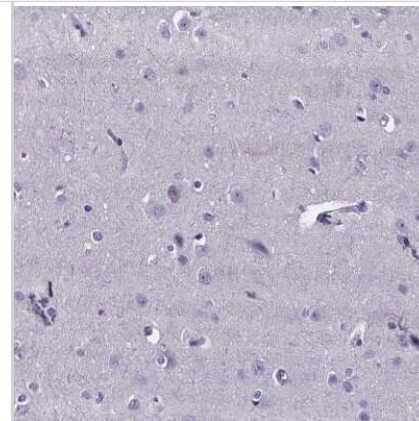
Immunohistochemistry-Paraffin: IZUMO1 Antibody [NBP1-83086] - Staining of human liver shows no positivity in hepatocytes as expected.



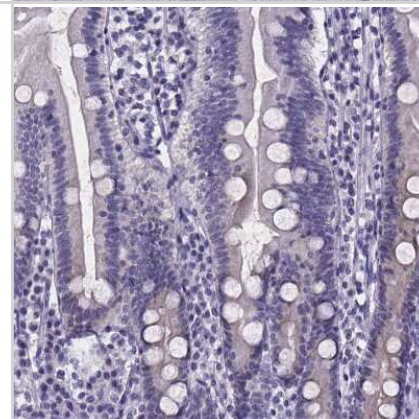
Western Blot: IZUMO1 Antibody [NBP1-83086] - Analysis in control (vector only transfected HEK293T lysate) and IZUMO1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



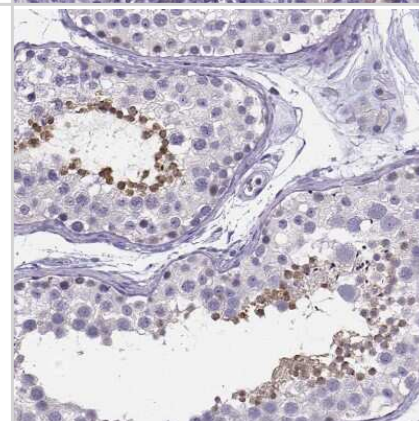
Immunohistochemistry-Paraffin: IZUMO1 Antibody [NBP1-83086] - Staining of human cerebral cortex shows no positivity in neurons as expected.



Immunohistochemistry-Paraffin: IZUMO1 Antibody [NBP1-83086] - Staining of human duodenum shows no positivity in glandular cells as expected.



Immunohistochemistry-Paraffin: IZUMO1 Antibody [NBP1-83086] - Staining of human testis shows weak to moderate cytoplasmic positivity in spermatids.



## Publications

Llavanera M, Delgado-Bermúdez A, Fernandez-Fuertes B, et al. GSTM3, but not IZUMO1, is a cryotolerance marker of boar sperm. J Anim Sci Biotechnol. 2019-08-05 [PMID: 31391940] (WB, ICC, Human, Porcine)



### **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 NBP1-83086**

---

|               |   |
|---------------|---|
| NBP1-83086PEP | IZUMO1 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                          |

---

### **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/NBP1-83086](http://www.novusbio.com/reviews/submit/NBP1-83086)

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

