

# Product Datasheet

## IFITM1 Antibody - BSA Free NBP1-89345

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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### Publications: 3

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**NBP1-89345**

IFITM1 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  |

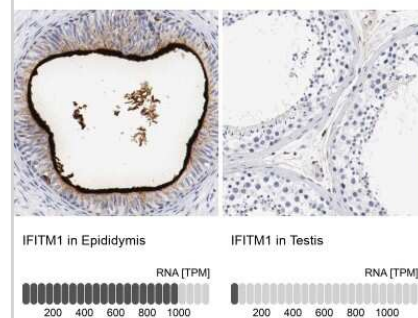
| Product Description |   |
|---------------------|---|
| Description         | Novus Biologicals Rabbit IFITM1 Antibody - BSA Free (NBP1-89345) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-IFITM1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit  |
| Gene ID             | 8519  |
| Gene Symbol         | IFITM1  |
| Species             | Human   |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids: MHKEEHEVAVLGAPPSTILPRSTVINIHSETSVPDH  |

| 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 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000  |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.<br><br>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.<br>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in h. Tonsil, separated by Size, antibody dilution of 1:20, apparent MW was 20 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. |

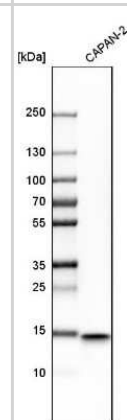


## Images

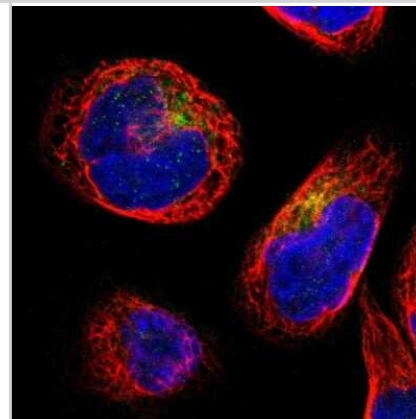
Immunohistochemistry-Paraffin: IFITM1 Antibody [NBP1-89345] - Staining in human epididymis and testis tissues using anti-IFITM1 antibody. Corresponding IFITM1 RNA-seq data are presented for the same tissues.



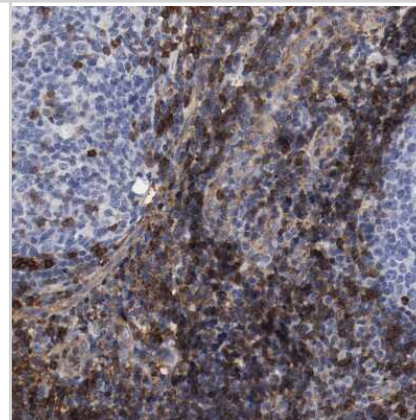
Western Blot: IFITM1 Antibody [NBP1-89345] - Analysis in human cell line CAPAN-2.



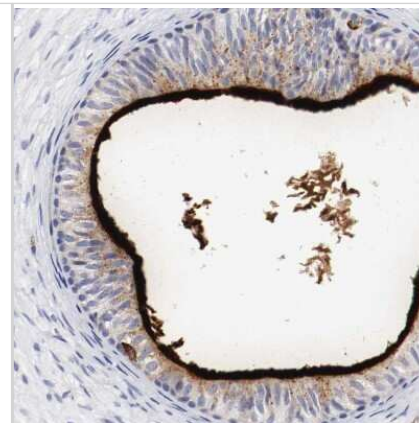
Immunocytochemistry/Immunofluorescence: IFITM1 Antibody [NBP1-89345] - Staining of human cell line A-431 shows localization to cytosol. Antibody staining is shown in green.



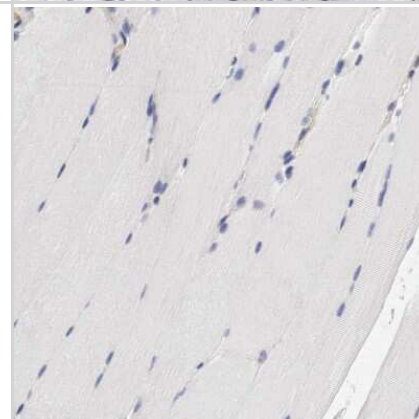
Immunohistochemistry-Paraffin: IFITM1 Antibody [NBP1-89345] - Staining of human tonsil shows strong membranous positivity in non-germinal center cells.



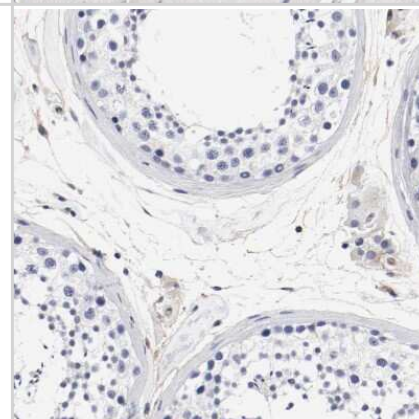
Immunohistochemistry-Paraffin: IFITM1 Antibody [NBP1-89345] - Staining of human epididymis shows strong membranous positivity in ependymal cells.



Immunohistochemistry-Paraffin: IFITM1 Antibody [NBP1-89345] - Staining of human skeletal muscle shows no membranous positivity in myocytes as expected.



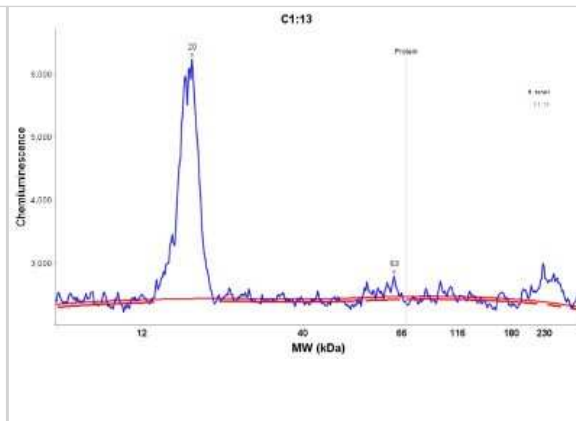
Immunohistochemistry-Paraffin: IFITM1 Antibody [NBP1-89345] - Staining of human testis shows no membranous positivity in cells in seminiferous ducts as expected.



Simple Western: IFITM1 Antibody [NBP1-89345] - Simple Western lane view shows a specific band for IFITM1 in 0.2 mg/ml of h. Tonsil lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: IFITM1 Antibody [NBP1-89345] - Electropherogram image(s) of corresponding Simple Western lane view. IFITM1 antibody was used at 1:20 dilution on h. Tonsil lysate(s).



## Publications

Luo HL, Lee YC, Chang YL et al. MicroRNA-145-5p suppresses cell proliferation, migration, and invasion in upper tract urothelial carcinoma by targeting 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase *Journal of cellular biochemistry* 2023-07-20 [PMID: 37475541]

Parra-Herran CE, Yuan L, Nucci MR, Quade BJ. Targeted development of specific biomarkers of endometrial stromal cell differentiation using bioinformatics: the IFITM1 model. *Mod Pathol* 2014-04-01 [PMID: 24072182]

Klymiuk I, Kenner L, Adler T et al. In vivo functional requirement of the mouse *Ifitm1* gene for germ cell development, interferon mediated immune response and somitogenesis. *PLoS One* 2012-01-01 [PMID: 23115618]



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### **Products Related to NBP1-89345**

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|               |   |
|---------------|---|
| NBP1-89345PEP | IFITM1 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                          |

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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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