

# Product Datasheet

## TMEM164 Antibody - BSA Free NBP1-93939

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: 2

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**NBP1-93939**

TMEM164 Antibody - BSA Free

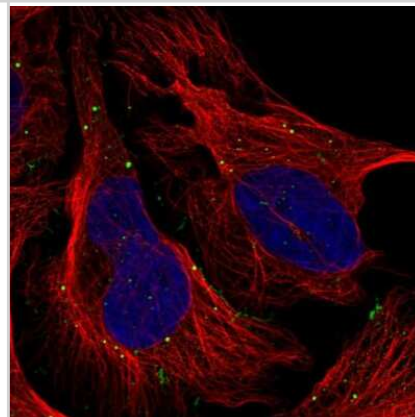
| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 ml   |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C short term. Aliquot and store at -20C 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 TMEM164 Antibody - BSA Free (NBP1-93939) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TMEM164 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit  |
| Gene ID             | 84187   |
| Gene Symbol         | TMEM164   |
| Species             | Human   |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids: MSRYSYQSLLDWLYGGVDPSFAGNGGPDCAAFLSWQQR  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry  |
| Recommended Dilutions       | Western Blot Reported in PMID (35947500), 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.  |

**Images**

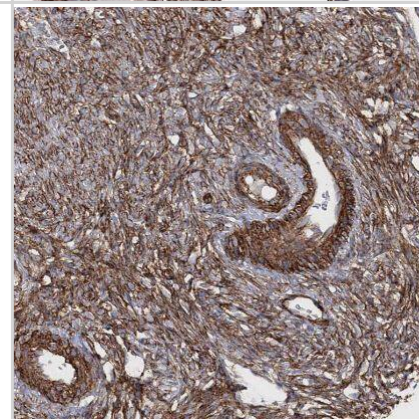
Immunocytochemistry/Immunofluorescence: TMEM164 Antibody [NBP1-93939] - Immunofluorescent staining of human cell line U-2 OS shows localization to cell junctions & vesicles.



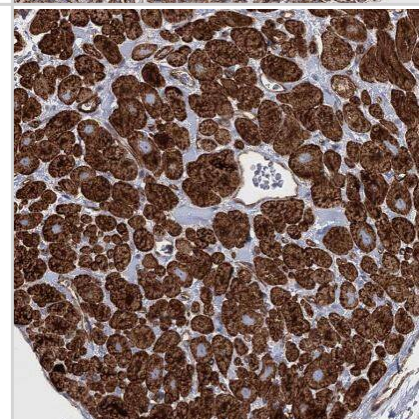
Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human lung shows strong cytoplasmic and membranous positivity in alveolar cells.



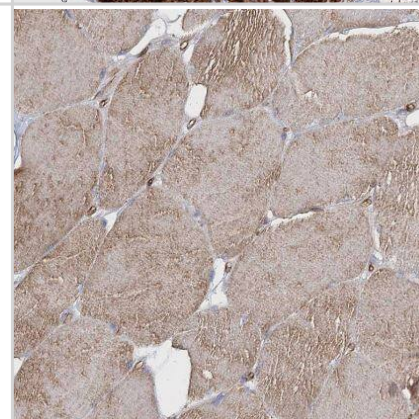
Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human Ovary shows strong membranous positivity in follicle and stromal cells.



Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human Heart muscle shows strong cytoplasmic and membranous positivity in cardiomyocytes.



Immunohistochemistry-Paraffin: TMEM164 Antibody [NBP1-93939] - Staining of human Skeletal muscle shows moderate cytoplasmic positivity in myocytes.



## Publications

Zhang L, Jia Z, Wu Q et al. Alleviating symptoms of neurodegenerative disorders by astrocyte-specific overexpression of TMEM164 in mice *Nature metabolism* 2023-09-07 [PMID: 37679556]

Liu J, Liu Y, Wang Y et al. TMEM164 is a new determinant of autophagy-dependent ferroptosis *Autophagy* 2022-08-22 [PMID: 35947500] (WB)



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### Products Related to NBP1-93939

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|               |   |
|---------------|---|
| NBP1-93939PEP | TMEM164 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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