

# Product Datasheet

## TMEM87A Antibody - BSA Free NBP1-90531

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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**NBP1-90531**

TMEM87A 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>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

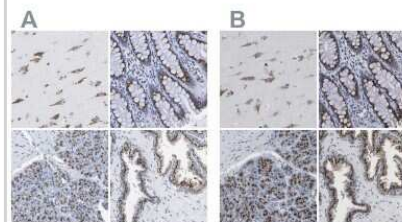
<b>Host</b>	Rabbit
<b>Gene ID</b>	25963
<b>Gene Symbol</b>	TMEM87A
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (84%), Rat (85%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: TTIFLKFDGEPCDLSLNITWYLKSADCYNEIYNFKAEEVELYLEKLKEKRGLSGK YQTSSKLFQNCSELFKTQTFSGDFMHRLPLLGEKQEAKENGTN

**Product Application Details**

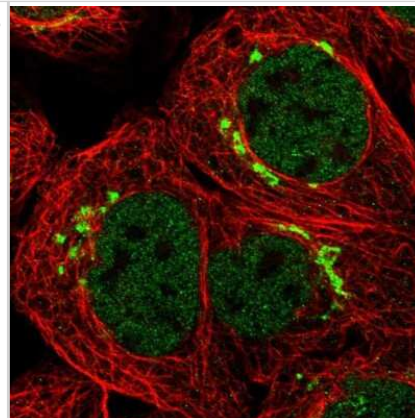
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

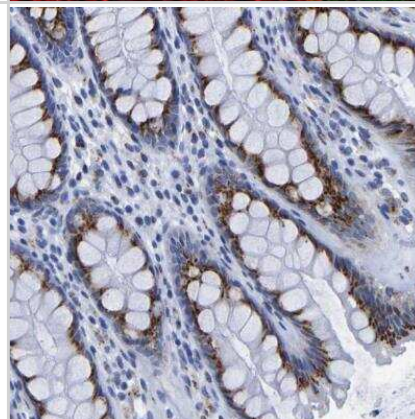
Immunohistochemistry-Paraffin: TMEM87A Antibody [NBP1-90531] - Staining of human cerebral cortex, gastrointestinal, pancreas and prostate using Anti-TMEM87A antibody NBP1-90531 (A) shows similar protein distribution across tissues to independent antibody NBP1-90532 (B).



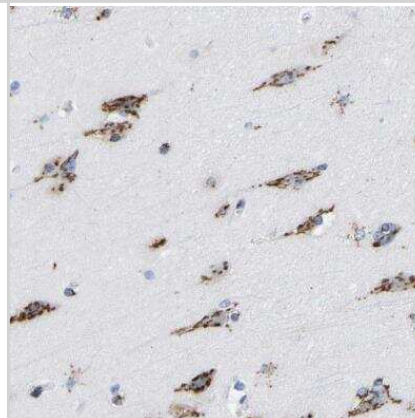
Immunocytochemistry/Immunofluorescence: TMEM87A Antibody [NBP1-90531] - Staining of human cell line A-431 shows localization to nucleoplasm & the Golgi apparatus. Antibody staining is shown in green.



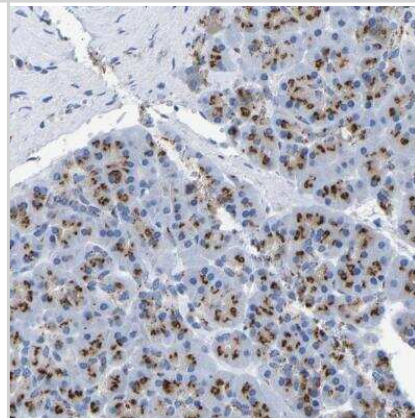
Immunohistochemistry-Paraffin: TMEM87A Antibody [NBP1-90531] - Staining of human colon shows strong cytoplasmic granular positivity in glandular cells.



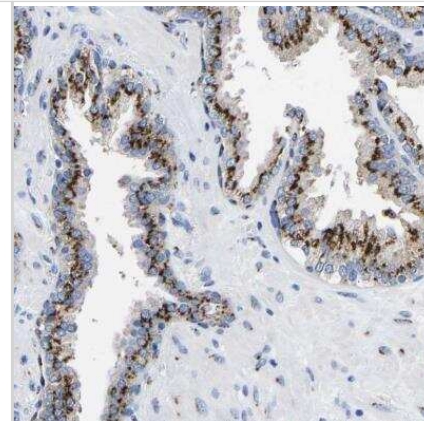
Immunohistochemistry-Paraffin: TMEM87A Antibody [NBP1-90531] - Staining of human cerebral cortex shows strong cytoplasmic granular positivity in neurons.



Immunohistochemistry-Paraffin: TMEM87A Antibody [NBP1-90531] - Staining of human pancreas shows strong cytoplasmic granular positivity in exocrine glandular cells.



Immunohistochemistry-Paraffin: TMEM87A Antibody [NBP1-90531] - Staining of human prostate shows strong cytoplasmic granular positivity in glandular cells.



## Publications

Hyunji Kang, Ah-reum Han, Aihua Zhang, Heejin Jeong, Wuhyun Koh, Jung Moo Lee, Hayeon Lee, Hee Young Jo, Miguel A. Maria-Solano, Mridula Bhalla, Jea Kwon, Woo Suk Roh, Jimin Yang, Hyun Joo An, Sun Choi, Ho Min Kim, C. Justin Lee GolpHCat (TMEM87A), a unique voltage-dependent cation channel in Golgi apparatus, contributes to Golgi-pH maintenance and hippocampus-dependent memory Nature Communications 2024-07-11 [PMID: 38992057]



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### **Products Related to NBP1-90531**

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NBP1-90531PEP	TMEM87A 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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