

# Product Datasheet

## TMEM52B Antibody - BSA Free NBP2-49272

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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**NBP2-49272**

TMEM52B 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**

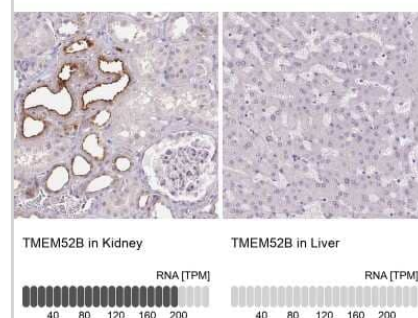
<b>Description</b>	Novus Biologicals Rabbit TMEM52B Antibody - BSA Free (NBP2-49272) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TMEM52B Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	120939
<b>Gene Symbol</b>	TMEM52B
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: QLPSSLDTLPGYEEALHMSRFTVAMCGQKAPDLPPVPEEKQLPPTKESTRIV DSWN

**Product Application Details**

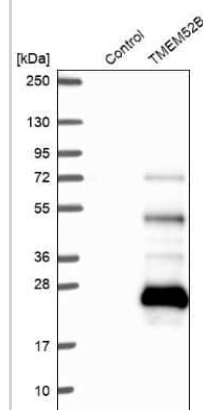
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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**

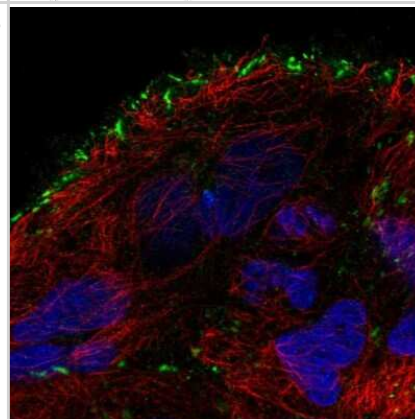
Immunohistochemistry-Paraffin: TMEM52B Antibody [NBP2-49272] - Analysis in human kidney and liver tissues using NBP2-49272 antibody. Corresponding TMEM52B RNA-seq data are presented for the same tissues.



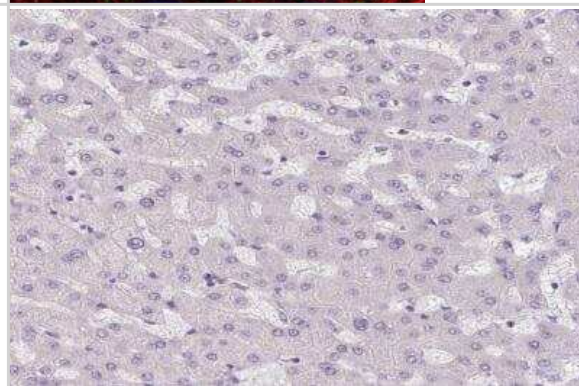
Western Blot: TMEM52B Antibody [NBP2-49272] - Analysis in control (vector only transfected HEK293T lysate) and TMEM52B over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



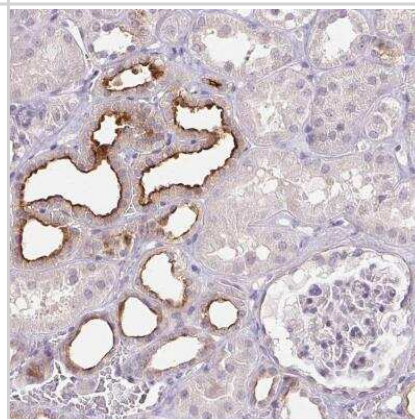
Immunocytochemistry/Immunofluorescence: TMEM52B Antibody [NBP2-49272] - Staining of human cell line CACO-2 shows localization to focal adhesion sites. Antibody staining is shown in green.



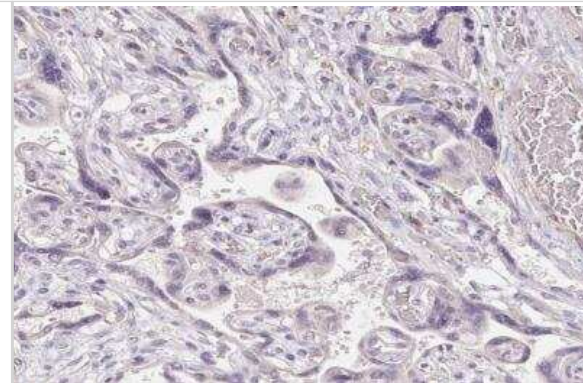
Immunohistochemistry-Paraffin: TMEM52B Antibody [NBP2-49272] - Staining of human liver shows no positivity in hepatocytes as expected.



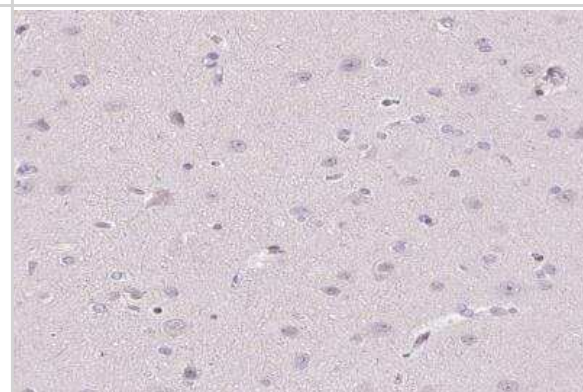
Immunohistochemistry-Paraffin: TMEM52B Antibody [NBP2-49272] - Staining of human kidney shows strong membranous positivity in a subset of distal tubules.



Immunohistochemistry-Paraffin: TMEM52B Antibody [NBP2-49272] - Staining of human placenta shows no positivity in trophoblastic cells as expected.



Immunohistochemistry-Paraffin: TMEM52B Antibody [NBP2-49272] - Staining of human cerebral cortex shows no positivity in neuronal cells as expected.



## Publications

Achieng, MA;Schnell, J;Fausto, CC;Csipán, RL;Koppitch, K;Thornton, ME;Grubbs, BH;Lindström, NO; Axial nephron fate switching demonstrates a plastic system tunable on demand Nature communications 2025-08-25 [PMID: 40855070]

Zhu Y, Lu Y, Xu C et Al. TMEM52B Isoforms P18 and P20 Differentially Promote the Oncogenesis and Metastasis of Nasopharyngeal Carcinoma Adv Sci (Weinh) 2024-06-28 [PMID: 38940427]

Xu C, Lin S, Lu Y et al. C12orf59 Promotes Esophageal Squamous Cell Carcinoma Progression via YAP-Mediated Epithelial-Mesenchymal Transition Frontiers in oncology 2022-07-04 [PMID: 35860553]



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### **Products Related to NBP2-49272**

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NBP2-49272PEP	TMEM52B 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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