

# Product Datasheet

## TMEM119 Antibody - BSA Free NBP2-30551

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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**NBP2-30551**

TMEM119 Antibody - BSA Free

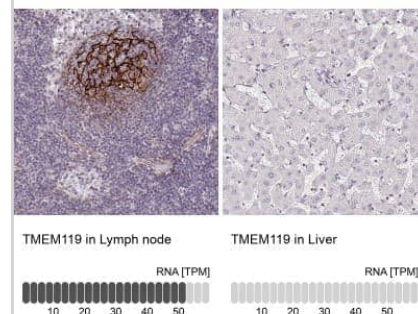
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	338773
Gene Symbol	TMEM119
Species	Human, Rat, Porcine, Feline
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Feline, Porcine reactivity reported from verified customer reviews.
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: ITRQKQKASAYYPSSFPKKKYVDQSDRAGGPRAFSEVPDRAPDSRPEEALD

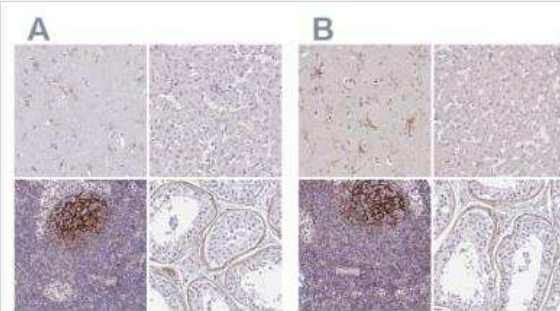
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence Verified from a customer review. Reported in scientific literature (PMID: 29109020)., Immunohistochemistry-Paraffin 1:50 - 1:200, Immunohistochemistry-Frozen Verified from a customer review.
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

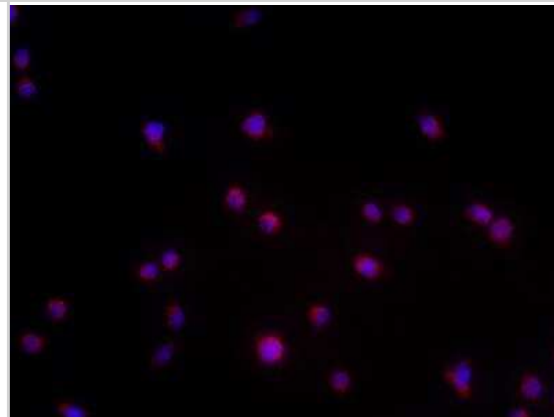
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining in human lymph node and liver tissues. Corresponding TMEM119 RNA-seq data are presented for the same tissues.



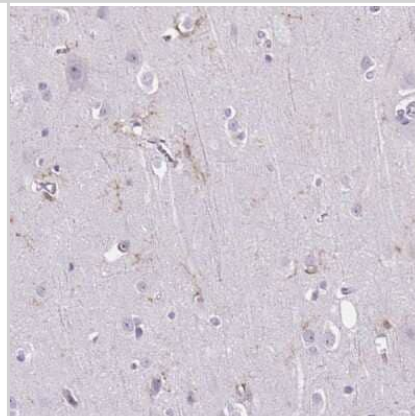
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human cerebral cortex, liver, lymph node and testis using Anti-TMEM119 antibody NBP2-30551 (A) shows similar protein distribution across tissues to independent antibody NBP2-30792 (B).



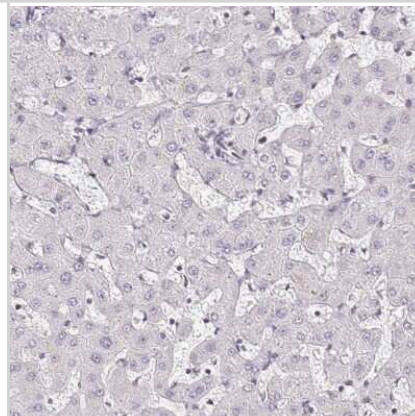
Immunocytochemistry/Immunofluorescence: TMEM119 Antibody [NBP2-30551] - Human microglia cell line stained with TMEM antibody and DAPI. ICC/IF image submitted by a verified customer review.



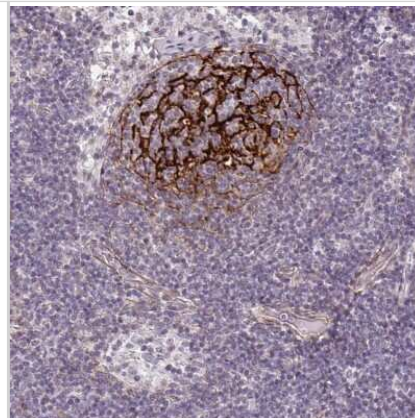
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human cerebral cortex shows weak positivity in microglia.



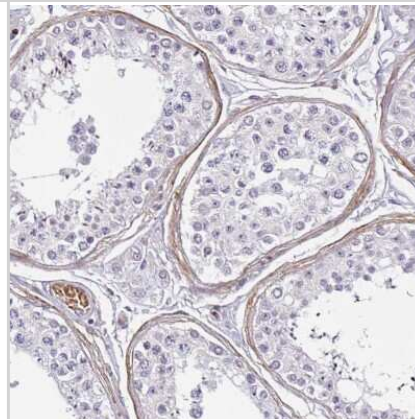
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human lymph node shows moderate membranous positivity in germinal center cells.



Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human testis shows weak membranous positivity in cells in lamina propria.



## Publications

Osimanjiang W, Allgood JE, Van Sandt RL et al. Sexual Dimorphism in Lesion Size and Sensorimotor Responses Following Spinal Cord Injury *Frontiers in Neurology* 2022-07-19 [PMID: 36994113] (Immunocytochemistry/Immunofluorescence, Rat)

Lisi L, Olivi A, Ciotti GMP et Al. A topographic approach to the markers of macrophage/microglia and other cell types in high grade glioma *Neurochem Int* 2024-12-27 [PMID: 39734023]

Xu J, Zhang L, Li M et al. TREM2 mediates physical exercise-promoted neural functional recovery in rats with ischemic stroke via microglia-promoted white matter repair *Journal of neuroinflammation* 2023-02-25 [PMID: 36829205] (IHC, Rat)

Wang F, Zhang Z, Han J et al. Discovery of microglia gonadotropin-releasing hormone receptor and its potential role in polycystic ovarian syndrome *Molecular medicine reports* 2023-04-01 [PMID: 36799164] (ICC/IF, Rat)

### Details:

Dilution used in WB 1:200

You MJ, Rim C, Bang M et al. A molecular characterization and clinical relevance of microglia-like cells derived from patients with panic disorder *Translational psychiatry* 2023-02-07 [PMID: 36750547] (ICC/IF, Human)

Hubschmann V, Korkut-Demirbas M, Siegert S. Assessing human iPSC-derived microglia identity and function by immunostaining, phagocytosis, calcium activity, and inflammation assay *STAR Protocols* 2022-12-01 [PMID: 36595902] (ICC/IF, Human)

### Details:

1:100 dilution ICC/IF

Bartalska K, Hubschmann V, Korkut-Demirbas M et al. A systematic characterization of microglia-like cell occurrence during retinal organoid differentiation *iScience* 2022-07-01 [PMID: 35789843] (IF/IHC, Human)

Akiyama H, Jalloh S, Park S et al. Expression of HIV-1 Intron-Containing RNA in Microglia Induces Inflammatory Responses *Journal of virology* 2020-12-09 [PMID: 33298546] (ICC/IF)

Jackson L, Dumanli S, Johnson M et al. Microglia Knockdown Reduces Inflammation and Preserves Cognition in Diabetic Animals After Experimental Stroke *J Neuroinflammation*. 2020-04-28 [PMID: 32345303] (ICC/IF, Rat)

Kim Hy, Kim Tj, Kang L et Al. Mesenchymal stem cell-derived magnetic extracellular nanovesicles for targeting and treatment of ischemic stroke *Biomaterials* 2020-06-01 [PMID: 32179302] (IHC-P, IF/IHC, Rat)

Jackson L, Dong G, Althomali W, et al. Delayed Administration of Angiotensin II Type 2 Receptor (AT2R) Agonist Compound 21 Prevents the Development of Post-stroke Cognitive Impairment in Diabetes Through the Modulation of Microglia Polarization *Transl Stroke Res* 2019-12-03 [PMID: 31792796]

Seigel GM, Manohar S, Bai YY et al. An immortalized microglial cell line (Mocha) derived from rat cochlea *Mol. Cell. Neurosci.* 2017-12-01 [PMID: 29109020] (ICC/IF, Rat)





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### **Products Related to NBP2-30551**

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NBP2-30551PEP	TMEM119 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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