

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

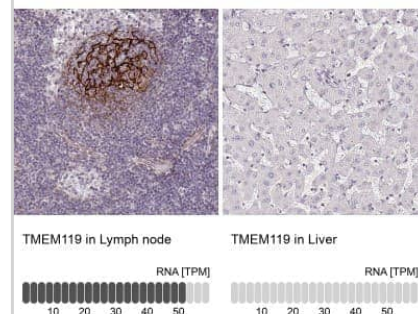
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.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

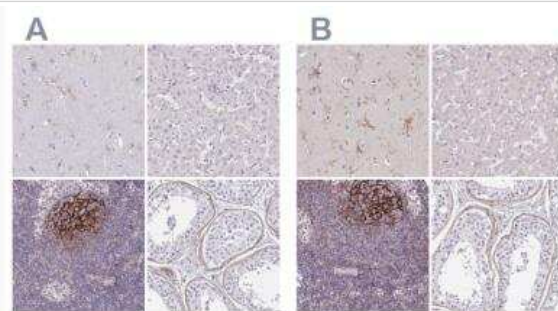
| Product Application Details | |
|-----------------------------|---|
| Applications | Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 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 | For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

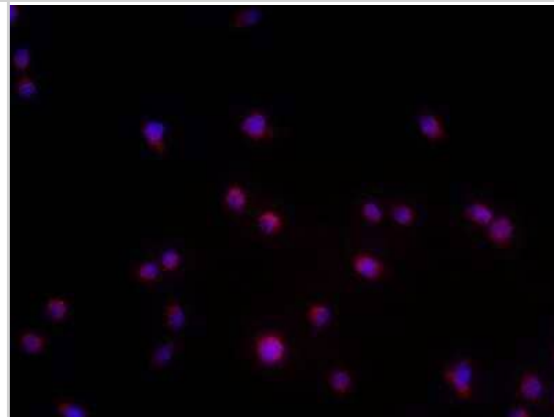
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining in human lymph node and liver tissues. Corresponding TMEM119 RNA-seq data are presented for the same tissues.



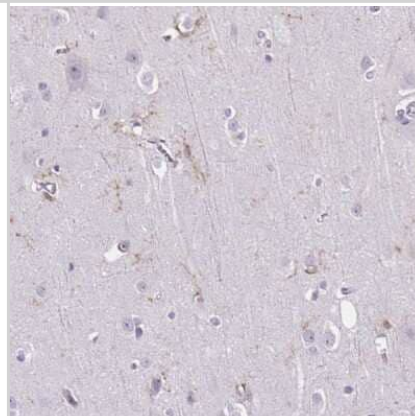
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human cerebral cortex, liver, lymph node and testis using Anti-TMEM119 antibody NBP2-30551 (A) shows similar protein distribution across tissues to independent antibody NBP2-30792 (B).



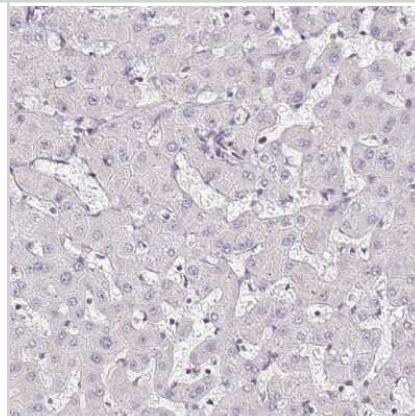
Immunocytochemistry/Immunofluorescence: TMEM119 Antibody [NBP2-30551] - Human microglia cell line stained with TMEM antibody and DAPI. ICC/IF image submitted by a verified customer review.



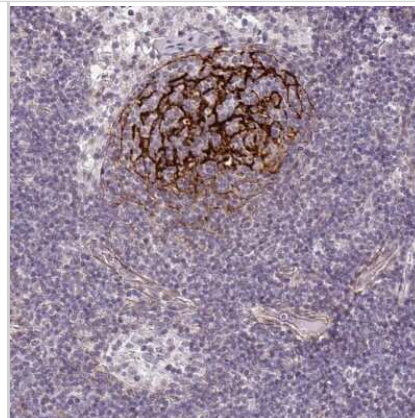
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human cerebral cortex shows weak positivity in microglia.



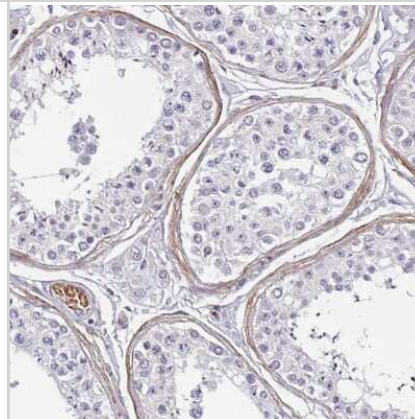
Immunohistochemistry-Paraffin: TMEM119 Antibody [NBP2-30551] - Staining of human liver shows no positivity in hepatocytes as expected.



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

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]

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]

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

| | |
|---------------|---|
| 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 |

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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