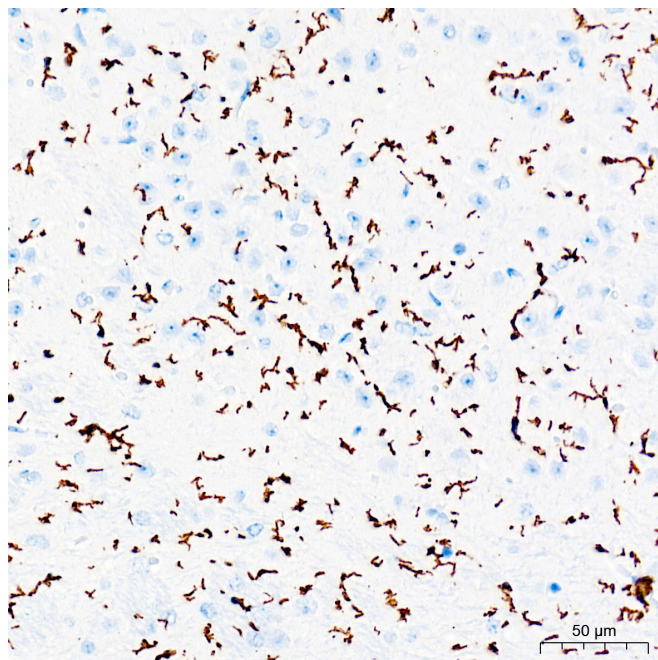
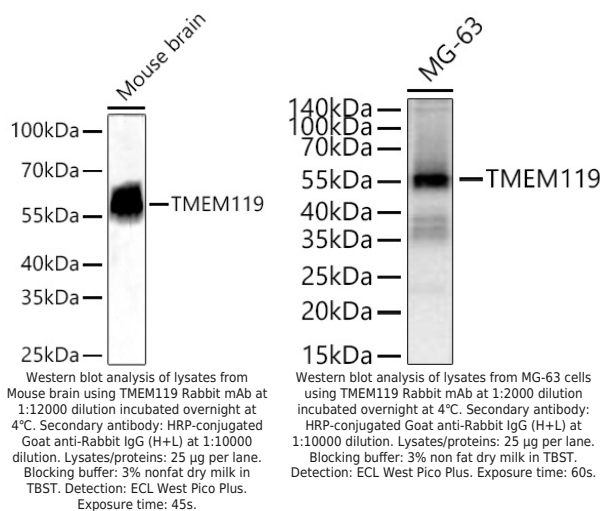
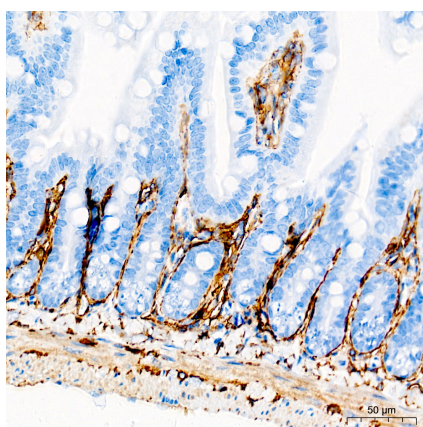


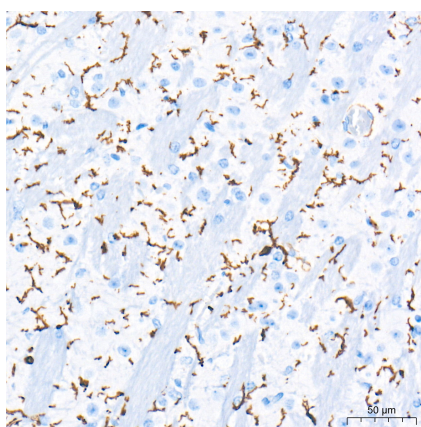
|                          |                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | TMEM119 Rabbit mAb                                                                                                                                                                                                                                                                                                                              |
| <b>Cat number:</b>       | MAB27143                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                    |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                          |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen:</b>        | Recombinant protein (or fragment). This information is considered to be commercially sensitive.                                                                                                                                                                                                                                                 |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                               |
| <b>Applications:</b>     | WB 1:2000 - 1:24000; IF-F 1:200 - 1:400; IF-P 1:500 - 1:2000; IHC-P 1:5000 - 1:20000; mIHC 1:2000 - 1:8000; ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.                                                                                                   |
| <b>Molecular Weight:</b> | 56 kDa                                                                                                                                                                                                                                                                                                                                          |
| <b>Purification:</b>     | Affinity purification                                                                                                                                                                                                                                                                                                                           |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer:</b>           | PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.                                                                                                                                                                                                                                                                                   |
| <b>Storage:</b>          | Store at -20°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                     |
| <b>Background:</b>       | Involved in positive regulation of bone mineralization; positive regulation of osteoblast differentiation; and positive regulation of osteoblast proliferation. Located in plasma membrane. Note—This product is a modified chimeric antibody. For multiplex staining of multiple targets, we recommend using Fc-specific secondary antibodies. |



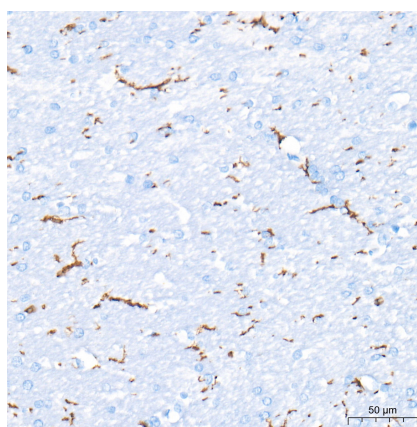
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



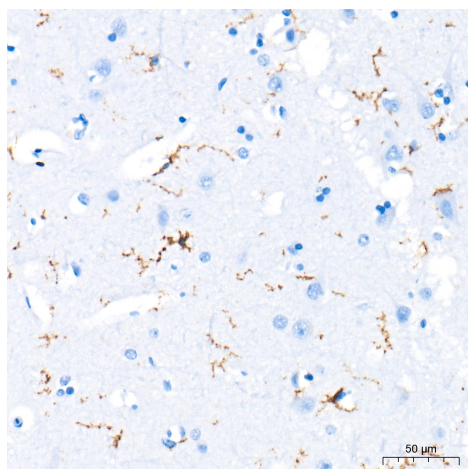
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using TMEM119 Rabbit mAb at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



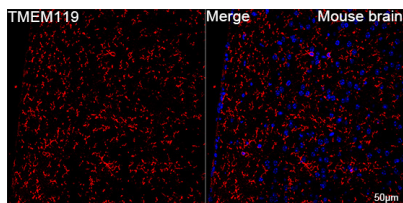
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



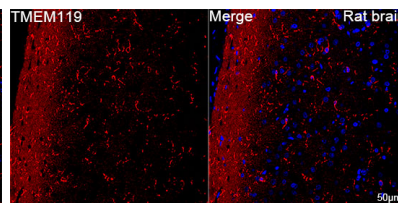
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



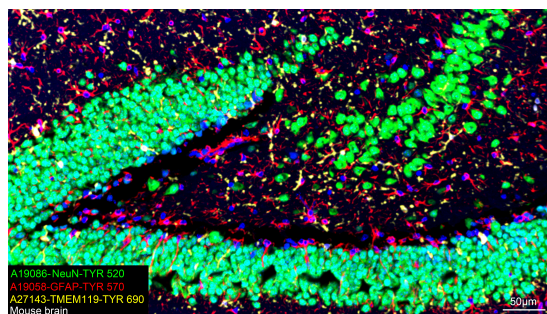
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using TMEM119 Rabbit mAb at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



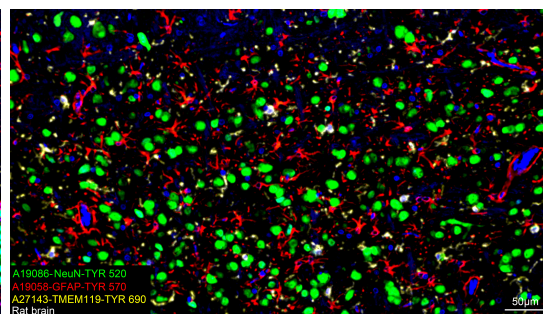
Confocal imaging of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb (dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat brain tissue using TMEM119 Rabbit mAb (dilution 1:1000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



The multiplex IHC analysis on paraffin-embedded Mouse brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents: NeuN Rabbit mAb (1:2000) with TSA-TYR-520 (Green), GFAP Rabbit mAb (1:500) with TSA-TYR-570 (Red), and TMEM119 Rabbit mAb (1:600) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.



The multiplex IHC analysis on paraffin-embedded Rat brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents: NeuN Rabbit mAb (1:2000) with TSA-TYR-520 (Green), GFAP Rabbit mAb (1:500) with TSA-TYR-570 (Red), and TMEM119 Rabbit mAb (1:600) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.