TMEM119 Rabbit mAb

Catalog No.: A27143

Recombinant | 2 Publications

www.abclonal.com

Basic Information

Observed MW
56 kDa

Calculated MW
29 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-F, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC5161

Background

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.

Recommended Dilutions

WB	1:2000 - 1:24000
IF-F	1:200 - 1:400
IF-P	1:500 - 1:2000(Mouse & Rat); 1:200 - 1:400(Human)
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.

Immunogen Information

Gene ID
338773

Swiss-Prot
Q4V9L6

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
OBIF

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

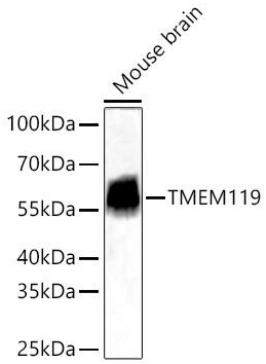
Source
Rabbit

Isotype
IgG. Mouse-derived rabbit chimeric antibody

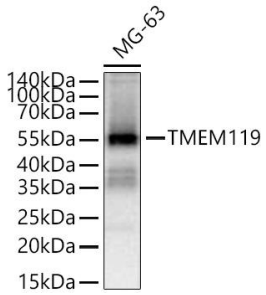
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

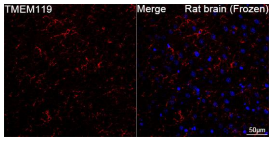
Validation Data



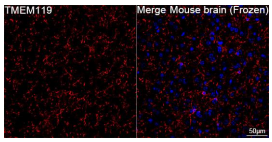
Western blot analysis of lysates from Mouse brain using TMEM119 Rabbit mAb (A27143) at 1:12000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



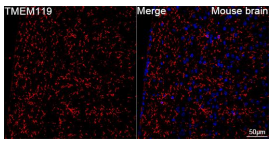
Western blot analysis of lysates from MG-63 cells using TMEM119 Rabbit mAb (A27143) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



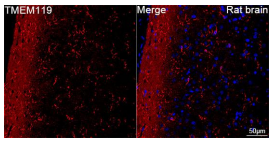
Confocal imaging of frozen sections of Rat brain tissue using TMEM119 Rabbit mAb (A27143, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



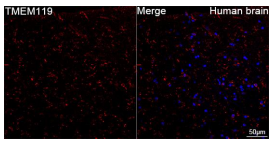
Confocal imaging of frozen sections of Mouse brain tissue using TMEM119 Rabbit mAb (A27143, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



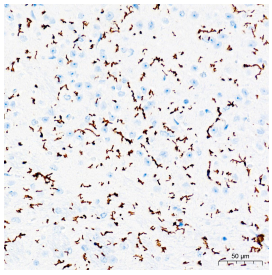
Confocal imaging of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb (A27143, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



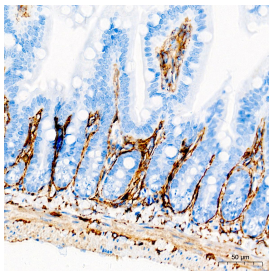
Confocal imaging of paraffin-embedded Rat brain tissue using TMEM119 Rabbit mAb (A27143, dilution 1:1000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



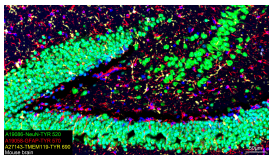
Confocal imaging of paraffin-embedded Human brain tissue using TMEM119 Rabbit mAb (A27143, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



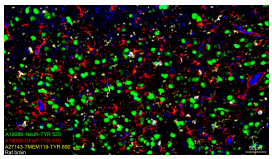
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb (A27143) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



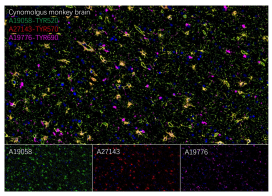
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using TMEM119 Rabbit mAb (A27143) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



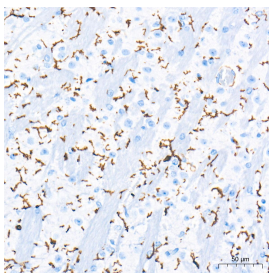
The multiplex IHC analysis on paraffin-embedded Mouse brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : NeuN Rabbit mAb (A19086, 1:2000) with TSA-TYR-520 (Green), GFAP Rabbit mAb (A19058, 1:500) with TSA-TYR-570 (Red), and TMEM119 Rabbit mAb (A27143, 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.



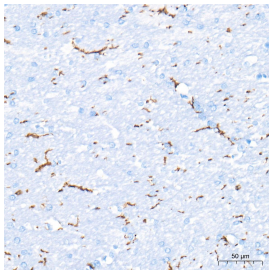
The multiplex IHC analysis on paraffin-embedded Rat brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : NeuN Rabbit mAb (A19086, 1:2000) with TSA-TYR-520 (Green), GFAP Rabbit mAb (A19058, 1:500) with TSA-TYR-570 (Red), and TMEM119 Rabbit mAb (A27143, 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.



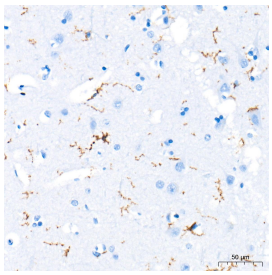
The multiplex IHC analysis on paraffin-embedded Cynomolgus monkey brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : GFAP Rabbit mAb (A19058, 1:500) with TSA-TYR-520 (Green), TMEM119 Rabbit mAb (A27143, 1:5000) with TSA-TYR-570 (Red), and AIF1 /IBA1 Rabbit mAb (A19776, 1:20000) 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.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using TMEM119 Rabbit mAb (A27143) 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 (A27143) 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 Human brain tissue using TMEM119 Rabbit mAb (A27143) 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.