BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Transmembrane protein 18 TMEM18 Antibody

Catalog Number: A05347

About TMEM18

Recent studies have examined how overexpression of certain genes enhances the tropism of neural stem cells (NSCs) for gliomas. Overexpression of Transmembrane protein 18 (TMEM18) provides NSCs and neural precursors an increased migration capacity towards glioblastoma cells in vitro and in the rat brain, while functional inactivation of the gene resulted in an almost complete loss of migration activity, suggesting that TMEM18 could be a potential target in NSC-based glioma therapy. Other recent results suggest that among others, the TMEM18 loci is associated with higher than normal body mass index (BMI) and obesity, indicating there may be a CNS-related role in predisposition to obesity. Multiple isoforms of TMEM18 are known to exist.

Submit a product review to Biocompare.com





Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-Transmembrane protein 18 TMEM18 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transmembrane protein 18 TMEM18 Antibody (Catalog # A05347). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TMEM18 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TMEM18 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96B42

Technical Details

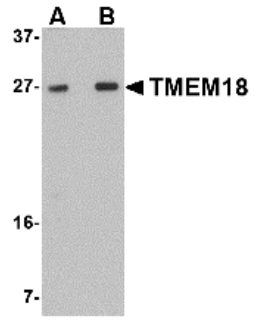
Immunogen	TMEM18 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human TMEM18. The immunogen is located within the last 50 amino acids of TMEM18.
Predicted Reactive Species	Rat

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

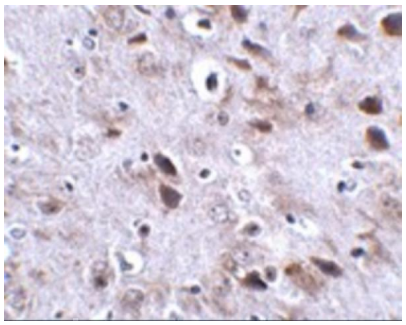
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TMEM18 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TMEM18 antibody can be used for detection of TMEM18 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

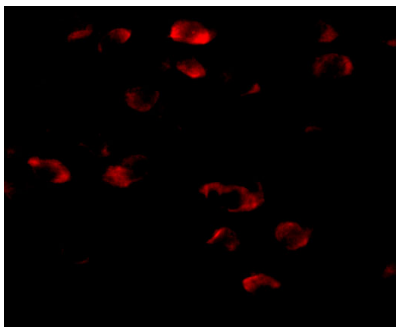
Anti-Transmembrane protein 18 TMEM18 Antibody (A05347) Images



Western blot analysis of TMEM18 in rat brain lysate with TMEM18 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of TMEM18 in mouse brain tissue with TMEM18 antibody at 2.5 ug/mL.



Immunofluorescence of TMEM18 in Mouse Brain cells with TMEM18 antibody at 20 ug/mL.

Anti-Transmembrane protein 18 TMEM18 Antibody

For Research Use Only. Not for use in diagnostic procedures.