

Anti-Transmembrane protein 59-like TMEM59L Antibody

Catalog Number: A15285

About TMEM59L

Processing of the amyloid precursor protein (APP) by two different proteases, called alpha- and beta-secretase, is a central regulatory event in the generation of the amyloid beta peptide (Abeta), which has a key role in Alzheimer disease (AD) pathogenesis. TMEM59L is a type I membrane glycoprotein that is expressed in the brain. A related protein, TMEM59, is a Golgi-localized protein that modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of several proteins such as APP, BACE1, SEAP or PRNP and inhibits APP transport and shedding.

Overview

Product Name	Anti-Transmembrane protein 59-like TMEM59L Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transmembrane protein 59-like TMEM59L Antibody (Catalog # A15285). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TMEM59L Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9UK28

Technical Details

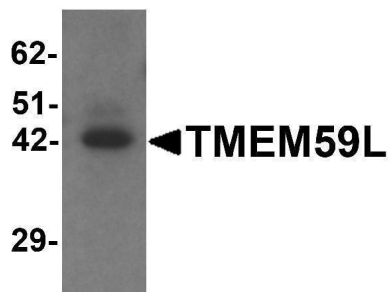
Immunogen	TMEM59L antibody was raised against a 19 amino acid synthetic peptide near carboxy terminus of human TMEM59L. The immunogen is located within amino acids 220 - 270 of TMEM59L.
Predicted Reactive Species	Bovine
Cross Reactivity	Multiple isoforms of TMEM59L are known to exist. TMEM59L antibody is predicted to not cross-react TMEM59.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TMEM59L Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

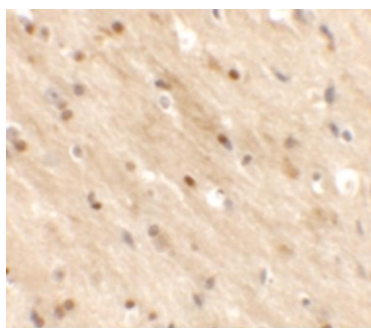
TMEM59L antibody can be used for detection of TMEM59L by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

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.

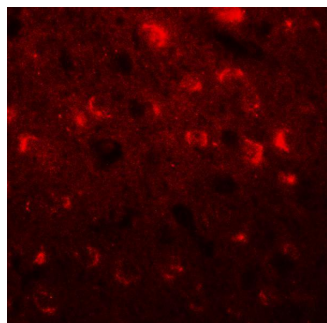
Anti-Transmembrane protein 59-like TMEM59L Antibody (A15285) Images



Western blot analysis of TMEM59L in rat heart tissue lysate with TMEM59L antibody at 1 ug/mL.



Immunohistochemistry of TMEM59L in mouse brain tissue with TMEM59L antibody at 2.5 ug/mL.



Immunofluorescence of TMEM59L in mouse brain tissue with TMEM59L antibody at 20 ug/mL.

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