

Anti-Transmembrane protein 59 TMEM59 Antibody

Catalog Number: A09364

About TMEM59

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. TMEM59, a Golgi-localized protein, modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of several proteins such as APP, BACE1, SEAP or PRNP. It inhibits APP transport and shedding.

Overview

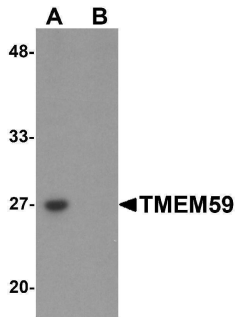
Product Name	Anti-Transmembrane protein 59 TMEM59 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Transmembrane protein 59 TMEM59 Antibody (Catalog # A09364). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TMEM59 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TMEM59 antibody can be stored at 4°C for three months and -20°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	Q9BXS4

Technical Details

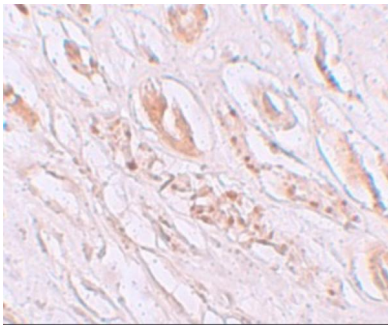
Immunogen	TMEM59 antibody was raised against a 16 amino acid synthetic peptide near amino terminus of human TMEM59. The immunogen is located within amino acids 80 - 130 of TMEM59.
Predicted Reactive Species	Bovine, Mouse, Pig
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TMEM59 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TMEM59 antibody can be used for detection of TMEM59 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 human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

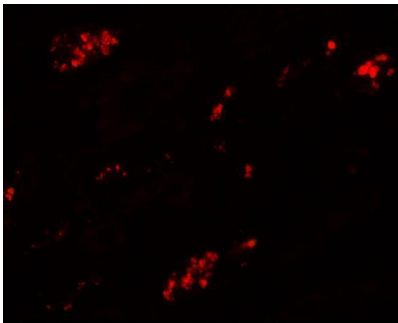
Anti-Transmembrane protein 59 TMEM59 Antibody (A09364) Images



Western blot analysis of TMEM59 in human kidney tissue lysate with TMEM59 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TMEM59 in human kidney tissue with TMEM59 antibody at 2.5 ug/mL.



Immunofluorescence of TMEM59 in human kidney tissue with TMEM59 antibody at 20 ug/mL.

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Anti-Transmembrane protein 59 TMEM59 Antibody

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