BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TMEM70 Antibody

Catalog Number: A06360

About TMEM70

TMEM70 is a recently identified mitochondrial protein that is thought to play a role in the biogenesis of the ATP synthase in higher eukaryotes. Mutations in this gene result in early neonatal onset of hypotonia, hypertrophic cardiomyopathy, lactic acidos and 3-methylglutaconic aciduria (3-MGC-uria), and usually cause death within the first six weeks of life, although some patients survive much longer. Little is known of the role of TMEM70, but it is conserved across multicellular eukaryotic organisms. It contains a conserved DUF1301 domain and two putative transmembrane regions.

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Overview

Product Name	Anti-TMEM70 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TMEM70 Antibody (Catalog # A06360). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TMEM70 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TMEM70 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	Q9BUB7

Technical Details

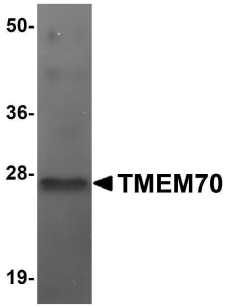
Immunogen	TMEM70 antibody was raised against a 14 amino acid synthetic peptide near the center of human TMEM70. The immunogen is located within amino acids 150 - 200 of TMEM70.
Predicted Reactive Species	Bovine
Isotype	IgG

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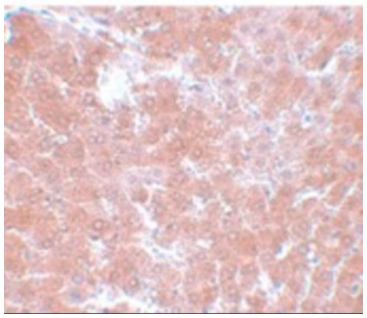
Form	Liquid
Concentration	1 mg/mL
Purification	TMEM70 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TMEM70 antibody can be used for detection of TMEM70 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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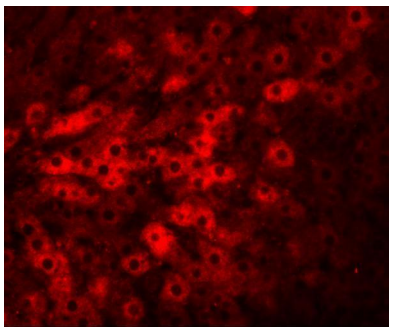
Anti-TMEM70 Antibody (A06360) Images



Western blot analysis of TMEM70 in human liver tissue lysate with TMEM70 antibody at 1 ug/mL.



Immunohistochemistry of TMEM70 in rat liver tissue with TMEM70 antibody at 5 ug/mL.



Immunofluorescence of TMEM70 in rat liver tissue with TMEM70 antibody at 20 ug/mL.

Anti-TMEM70 Antibody

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