

Datasheet for ABIN6991293

anti-Transmembrane Protein 70 (TMM70) (AA 150-200) antibody



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Overview

Quantity:	0.1 mg
Target:	Transmembrane Protein 70 (TMM70)
Binding Specificity:	AA 150-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Purification:	TMEM70 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Transmembrane Protein 70 (TMM70)
Alternative Name:	TMEM70 (TMM70 Products)
Background:	TMEM70 Antibody: 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

Target Details

in early neonatal onset of hypotonia, hypertrophic cardiomyopathy, lactic acidosis 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.

Gene ID:	54968
NCBI Accession:	NP_060336
UniProt:	Q9BUB7

Application Details

Application Notes: TMEM70 antibody can be used for detection of TMEM70 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/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.

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TMEM70 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	TMEM70 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.