

Datasheet for ABIN500988

**anti-Transmembrane Protein 70 (TMM70) (Center) antibody**[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Transmembrane Protein 70 (TMM70)
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	TMEM70 antibody was raised against a 14 amino acid peptide near the center of human TMEM70.
Isotype:	IgG
Specificity:	This antibody detects TMEM70.
Purification:	Peptide affinity chromatography

## Target Details

Target:	Transmembrane Protein 70 (TMM70)
Alternative Name:	TMEM70 ( <a href="#">TMM70 Products</a> )

## Target Details

**Background:** 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 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. Synonyms: Transmembrane protein 70, mitochondrial

**Gene ID:** 54968

**NCBI Accession:** [NP\\_060336](#)

## Application Details

**Application Notes:** ELISA. Western blot: 1 - 2 µg/mL.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Concentration:** 1.0 mg/mL

**Buffer:** 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.

**Handling Advice:** Avoid repeated freezing and thawing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.