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## Datasheet for ABIN6991035 **anti-TOM70 antibody (AA 220-270)**

### Overview

Quantity:	0.1 mg
Target:	TOM70 (TOMM70A)
Binding Specificity:	AA 220-270
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOM70 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Anti-TOM70 antibody was raised against a peptide corresponding to 15 amino acids near the center of human TOM70. The immunogen is located within amino acids 220-270 of TOM70.
Isotype:	IgG
Purification:	TOM70 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	TOM70 (TOMM70A)
Alternative Name:	TOM70 ( <a href="#">TOMM70A Products</a> )
Background:	TOM70 Antibody: The translocase of outer mitochondrial membrane (TOM) complex is a multisubunit complex involved in the recognition, unfolding, and translocation of preproteins

## Target Details

into the mitochondria. TOM70, an important member of the TOM complex, contains a tetratricopeptide repeat domain similar to those found in cytosolic chaperones such as Hsp90 and Hsc70 and provides a docking site for these proteins. This interaction is thought to be a critical first step in the TOM70-dependent mitochondrial import, followed by contact between the preprotein and TOM70. After targeting to TOM70, preproteins are translocated through the outer membrane via the TOM40 import pore complex. The precise mechanism of how preproteins progress from TOM70 to TOM40 to full translocation is still unclear. At least two isoforms of TOM70 are known to exist.

Molecular Weight:	Predicted: 68kD
	Observed: 72 kD kDa

Gene ID:	9868
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NCBI Accession:	<a href="#">NP_055635</a>
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UniProt:	<a href="#">O94826</a>
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Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>
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## Application Details

Application Notes:	WB: 1-2 µg/mL, IHC: 2.5 µg/mL, IF: 20 µg/mL.
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Antibody validated: Western Blot in human, mouse and rat samples, Immunohistochemistry and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 mg/mL
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Buffer:	TOM70 Antibody is supplied in PBS containing 0.02 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C, 4 °C
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## Handling

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Storage Comment: TOM70 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.