

Datasheet for ABIN501010
anti-TOM70 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	TOM70 (TOMM70A)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOM70 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TOM70 antibody was raised against a 17 amino acid peptide near the amino terminus of human TOM70.
Isotype:	IgG
Specificity:	This antibody detects TOMM70A at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	TOM70 (TOMM70A)
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Target Details

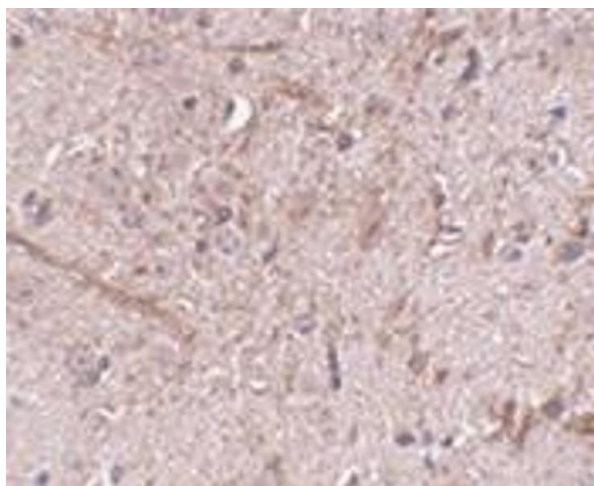
Alternative Name:	TOMM70A (TOMM70A Products)
Background:	<p>The translocase of outer mitochondrial membrane (TOM) complex is a multisubunit complex involved in the recognition, unfolding, and translocation of preproteins into the mitochondria. TOM70, an important member of the TOM complex, contains a 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. Synonyms: KIAA0719, Mitochondrial import receptor subunit TOM70, Mitochondrial precursor proteins import receptor, TOM70, Translocase of outer membrane 70 kDa subunit</p>
Gene ID:	9868
NCBI Accession:	NP_055635
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	<p>ELISA. Western blot: 2 - 4 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

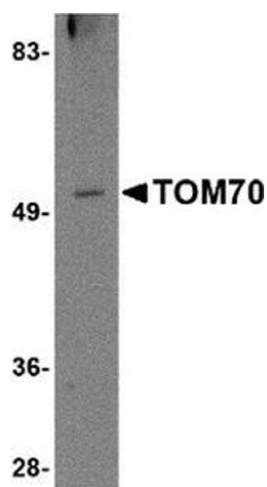
Handling

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 at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of TOM70 in mouse brain tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of TOM70 in 293 cell lysate with this product at 2 µg/ml.