Rabbit TOM70 Polyclonal Antibody | anti-TOMM70A antibody

TOM70 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39597	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

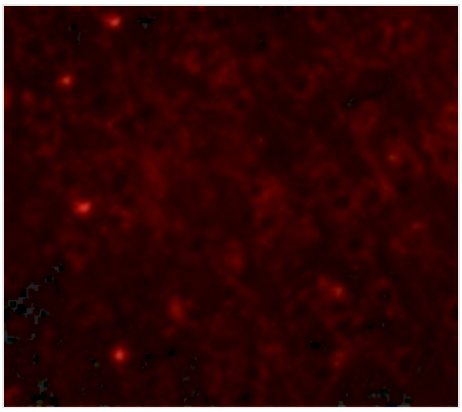
PRODUCT SYNONYMS

TOM70; Polyclonal Antibody; TOM70 Antibody; KIAA0719; Mitochondrial import receptor subunit TOM70; Mitochondrial precursor proteins import receptor; translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae); anti-TOMM70A antibody

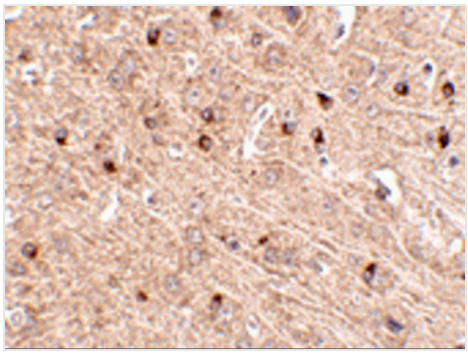
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	TOM70 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	608
Applicable Applications for anti-TOMM70A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TOM70 antibody was raised against a 15 amino acid synthetic peptide near the center of human TOM70.
Buffer	TOM70 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TOM70 antibody can be stored at 4 degree C for three months and -20 degree 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.

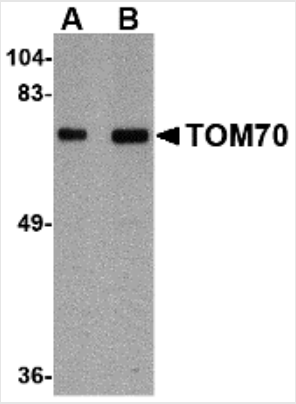
IMAGES



IF (Immunofluorescence)
Immunofluorescence of TOM70 in Mouse Brain cells with TOM70 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of TOM70 in mouse brain tissue with TOM70 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of TOM70 in rat brain tissue lysate with TOM70 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TOMM70A antibody	TOM70 Antibody: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607135
NCBI GeneID	9868
NCBI Accession #	NP_055635
NCBI GenBank Nucleotide #	NM_014820.4
UniProt Accession #	O94826; D3DN48
Molecular Weight	67,455 Da
NCBI Official Full Name	mitochondrial import receptor subunit TOM70
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)
NCBI Official Symbol	TOMM70A
NCBI Protein Information	mitochondrial import receptor subunit TOM70; translocase of outer membrane 70 kDa subunit; mitochondrial precursor proteins import receptor
UniProt Protein Name	Mitochondrial import receptor subunit TOM70
UniProt Gene Name	**TOMM70A**
UniProt Synonym Gene Names	KIAA0719; TOM70
UniProt Entry Name	TOM70_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/tom70-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39597