TOM70 Antibody

Catalog No: #24806

Orders: order@signalwayantibody.com
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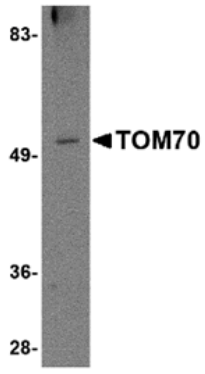
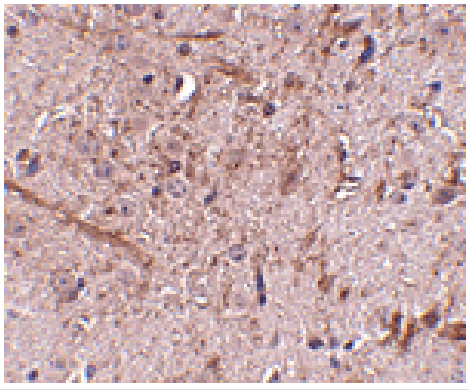
Description

Product Name	TOM70 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the amino terminus of human TOM70.
Target Name	TOM70
Other Names	Translocase of the mitochondrial outer membrane 70, TOMM70A
Accession No.	Swiss-Prot:O94826Gene ID:9868
Uniprot	O94826
GeneID	9868;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



Western blot analysis of TOM70 in 293 cell lysate with TOM70 antibody at 2 ug/mL.



Immunohistochemistry of TOM70 in mouse brain tissue with TOM70 antibody at 2.5 ug/mL.

Background

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.

Note: This product is for in vitro research use only