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TIMM50 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19064a

Specification

TIMM50 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q3ZCQ8
Other Accession	NP_001001563.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39646**
Antigen Region	**74-104**

TIMM50 Antibody (N-term) - Additional Information

Gene ID 92609

Other Names
Mitochondrial import inner membrane translocase subunit TIM50, TIMM50, TIM50

Target/Specificity
This TIMM50 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-104 amino acids from the N-terminal region of human TIMM50.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TIMM50 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TIMM50 Antibody (N-term) - Protein Information

Name TIMM50

Synonyms TIM50

Function Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo.

Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein

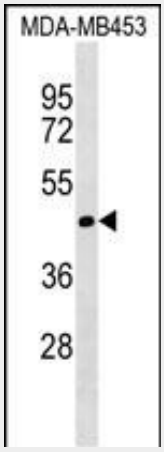
Tissue Location
Widely expressed. Expressed at higher level in brain, kidney and liver (at protein level)

TIMM50 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TIMM50 Antibody (N-term) - Images



TIMM50 Antibody (N-term) (Cat. #AP19064a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the TIMM50 antibody detected the TIMM50 protein (arrow).

TIMM50 Antibody (N-term) - Background

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo. Isoform 2 may participate in the release of snRNPs and SMN from the Cajal body.

TIMM50 Antibody (N-term) - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Xu, H., et al. BMC Cell Biol. 6 (1), 29 (2005) :
Guo, Y., et al. J. Biol. Chem. 279(23):24813-24825(2004)

Yuryev, A., et al. Genomics 81(2):112-125(2003)
Yamamoto, H., et al. Cell 111(4):519-528(2002)