

**TIMM50 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5314**

**Specification**

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**TIMM50 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O3ZCQ8</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=40,50 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**TIMM50 Antibody (N-term) - Additional Information**

**Gene ID** 92609

**Antigen Region**  
25-56

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

**Dilution**  
WB~~1:1000

**Target/Specificity**  
This TIMM50 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 25-56 amino acids from the N-terminal region of human TIMM50.

**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

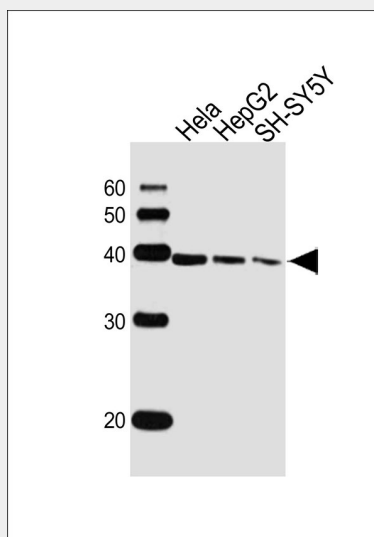
Widely expressed. Expressed at higher level in brain, kidney and liver (at protein level)

## 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 Cytometry](#)
- [Cell Culture](#)

## TIMM50 Antibody (N-term) - Images



Western blot analysis of lysates from HeLa, HepG2, SH-SY5Y cell line (from left to right), using TIMM50 Antibody (N-term) (Cat. #AW5314). AW5314 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

## 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**

Guo Y., et al. J. Biol. Chem. 279:24813-24825(2004).  
Zheng H., et al. Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.  
Grimwood J., et al. Nature 428:529-535(2004).  
Zhang C., et al. Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.  
Bienvenut W.V., et al. Submitted (JUN-2005) to UniProtKB.