

TIMM23 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14103B**Specification**

TIMM23 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O14925
Other Accession	Q9WTQ8 , A4IFL0 , Q5SRD1 , XP_002343027.1 , NP_006318.1
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	130-158

TIMM23 Antibody (C-term) - Additional Information**Gene ID** 100287932**Other Names**

Mitochondrial import inner membrane translocase subunit Tim23, TIMM23, TIM23

Target/Specificity

This TIMM23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-158 amino acids from the C-terminal region of human TIMM23.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

TIMM23 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TIMM23 Antibody (C-term) - Protein Information**Name** TIMM23

Synonyms TIM23

Function Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane (PubMed:[10339406](#)). Has a role in the activation of stress-induced mitophagy by protecting PINK1 from OMA1-mediated degradation and facilitating its accumulation at the outer mitochondrial membrane in response to depolarization (PubMed:[37160114](#)).

Cellular Location

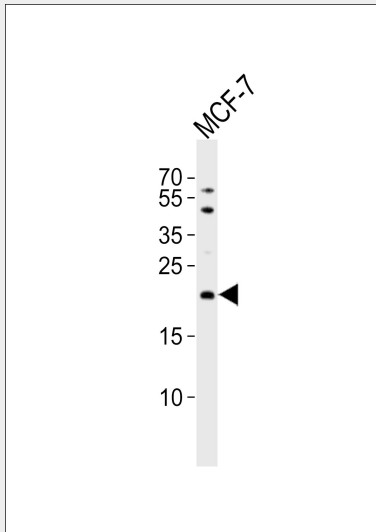
Mitochondrion inner membrane; Multi-pass membrane protein

TIMM23 Antibody (C-term) - Protocols

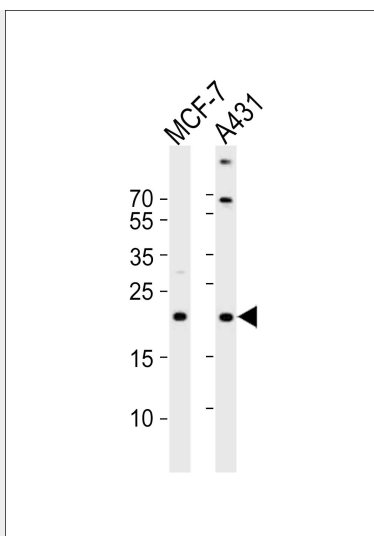
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TIMM23 Antibody (C-term) - Images



Western blot analysis of lysate from MCF-7 cell line, using TIMM23 Antibody (C-term)(Cat. #AP14103b). AP14103b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.



Western blot analysis of lysates from MCF-7, A431 cell line (from left to right), using TIMM23 Antibody (C-term)(Cat. #AP14103b). AP14103b 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.

TIMM23 Antibody (C-term) - Background

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane.

TIMM23 Antibody (C-term) - References

Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010)
Guo, Y., et al. J. Biol. Chem. 279(23):24813-24825(2004)
Yamamoto, H., et al. Cell 111(4):519-528(2002)
Moro, F., et al. EMBO J. 18(13):3667-3675(1999)
Bauer, M.F., et al. J. Mol. Biol. 289(1):69-82(1999)

TIMM23 Antibody (C-term) - Citations

- [Mitochondrion-processed TERC regulates senescence without affecting telomerase activities.](#)