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TIMM23 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14103B

Product Information

Application	WB, E
Primary Accession	O14925
Other Accession	Q9WTQ8, A4IFL0, Q5SRD1, XP_002343027.1, NP_006318.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21943
Antigen Region	130-158

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.

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

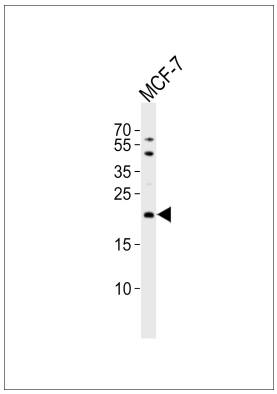
Background

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

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)

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.

Citations

- Mitochondrion-processed TERC regulates senescence without affecting telomerase activities.