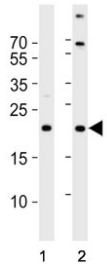
TIMM23 Antibody / Tim23 (F55074)

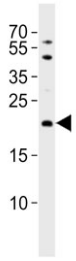
Catalog No.	Formulation	Size
F55074-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55074-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-2 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	O14925
Applications	Western Blot : 1:500-1:1000
Limitations	This TIMM23 antibody is available for research use only.



Western blot testing of human 1) MCF7 and 2) A431 cell lysate with TIMM23 antibody. Predicted molecular weight ~22 kDa.



Western blot testing of human MCF7 cell lysate with TIMM23 antibody. Predicted molecular weight ~22 kDa.

Description

TIMM23, or Translocase of the Inner Membrane 23, is a protein that is found in the inner membrane of the mitochondria. Mitochondria are known as the powerhouses of our cells, producing the energy needed to fuel all of our bodily functions. TIMM23 acts as a gateway, helping to transport proteins into the mitochondria where they can carry out their essential functions. One of the most fascinating aspects of TIMM23 is its ability to recognize and transport proteins with a specific signal sequence. This ensures that only the necessary proteins make their way into the mitochondria, helping to maintain the efficiency and health of the cell. Studies have shown that mutations in the gene encoding TIMM23 can result in mitochondrial dysfunction, leading to a variety of health issues including metabolic disorders and neurodegenerative diseases.

Application Notes

Titration of the TIMM23 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 130-158 from the human protein was used as the immunogen for this TIMM23 antibody.

Storage

Aliquot the TIMM23 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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