

**FXC1 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21868a****Specification**

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**FXC1 Antibody (N-term) - Product Information**

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| Application       | WB,E                                                                                              |
| Primary Accession | <a href="#">Q9Y5J6</a>                                                                            |
| Other Accession   | <a href="#">Q3SZW4</a> , <a href="#">Q9WV96</a> , <a href="#">Q5RDJ0</a> , <a href="#">Q9R1B1</a> |
| Reactivity        | Human, Rat                                                                                        |
| Predicted         | Bovine, Mouse                                                                                     |
| Host              | Rabbit                                                                                            |
| Clonality         | polyclonal                                                                                        |
| Isotype           | Rabbit IgG                                                                                        |

**FXC1 Antibody (N-term) - Additional Information****Gene ID** 26515**Other Names**

Mitochondrial import inner membrane translocase subunit Tim10 B, Fracture callus protein 1, FxC1, Mitochondrial import inner membrane translocase subunit Tim9 B, TIMM10B, Tim10b, TIMM10B, FXC1, TIM9B, TIMM9B

**Target/Specificity**

This FXC1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-48 amino acids from the N-terminal region of human FXC1.

**Dilution**

WB~~1:2000

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**

FXC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FXC1 Antibody (N-term) - Protein Information****Name** TIMM10B

**Synonyms** FXC1, TIM9B, TIMM9B

**Function** Component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. The TIM22 complex forms a twin-pore translocase that uses the membrane potential as the external driving force. In the TIM22 complex, it may act as a docking point for the soluble 70 kDa complex that guides the target proteins in transit through the aqueous mitochondrial intermembrane space.

**Cellular Location**

Mitochondrion inner membrane; Peripheral membrane protein

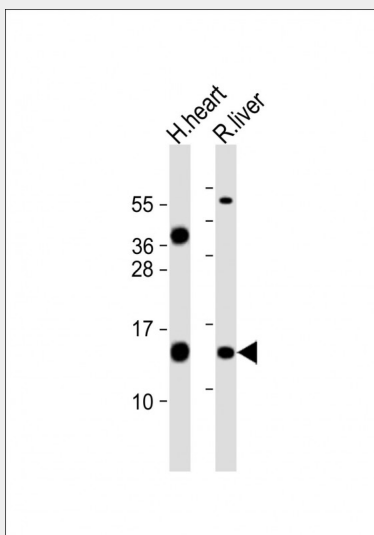
**Tissue Location**

Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.

**FXC1 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](#)

**FXC1 Antibody (N-term) - Images**

All lanes : Anti-FXC1 Antibody (N-term) at 1:2000 dilution Lane 1: human heart lysate Lane 2: rat liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 12 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**FXC1 Antibody (N-term) - Background**

Component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass

transmembrane proteins into the mitochondrial inner membrane. The TIM22 complex forms a twin-pore translocase that uses the membrane potential as the external driving force. In the TIM22 complex, it may act as a docking point for the soluble 70 kDa complex that guides the target proteins in transit through the aqueous mitochondrial intermembrane space.

#### **FXC1 Antibody (N-term) - References**

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Bauer M.F.,et al.FEBS Lett. 464:41-47(1999).  
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Rothbauer U.,et al.J. Biol. Chem. 276:37327-37334(2001).  
Muehlenbein N.,et al.J. Biol. Chem. 279:13540-13546(2004).