

**Tom 40 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10563****Specification**

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**Tom 40 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O96008</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37893

**Tom 40 Antibody - Additional Information****Gene ID** 10452**Application & Usage**

**Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately. The antibody recognizes TOM40 in samples of human, mouse and rat origins. Reactivity to other species has not been tested.**

**Other Names**

C19orf1 , D19S1177E , PER-EC1 , PEREC1 , TOM40 , p38.5

**Target/Specificity**

Tom 40

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

Tom 40 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Tom 40 Antibody - Protein Information**

**Name** TOMM40

**Synonyms** C19orf1, PEREC1, TOM40

**Function**

Channel-forming protein essential for import of protein precursors into mitochondria (PubMed:<a href="http://www.uniprot.org/citations/15644312" target="\_blank">15644312</a>, PubMed:<a href="http://www.uniprot.org/citations/31206022" target="\_blank">31206022</a>). Plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by forming a complex with BCAP31 and mediating the translocation of Complex I components from the cytosol to the mitochondria (PubMed:<a href="http://www.uniprot.org/citations/31206022" target="\_blank">31206022</a>).

**Cellular Location**

Mitochondrion outer membrane; Multi-pass membrane protein. Note=Associates with the mitochondria- associated ER membrane via interaction with BCAP31

**Tom 40 Antibody - 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](#)

**Tom 40 Antibody - Images****Tom 40 Antibody - Background**

Translocase of the mitochondria Outer Membrane (TOM) is essential for protein import into mitochondria. TOM40 is synthesized in the cytosol and contains information for its mitochondrial targeting and assembly. It is delivered to the mitochondria in an ATP-dependent manner.