

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

Tom 40 Antibody - Product Information

Application	WB
Primary Accession	O96008
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:15644312, PubMed:31206022). 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:31206022).

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.