

Tom 40 Blocking Peptide
Catalog # PBV10346b**Specification**

Tom 40 Blocking Peptide - Product Information

Primary Accession	O96008
Gene ID	10452
Calculated MW	37893

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

The peptide is used for blocking the antibody activity of Tom 40. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names

Mitochondrial import receptor subunit TOM40 homolog, Protein Haymaker, Translocase of outer membrane 40 kDa subunit homolog, p38.5, TOMM40, C19orf1, PEREC1, TOM40

Target/Specificity

Tom 40

Formulation

50 µg (0.5mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

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

Tom 40 Blocking Peptide - Protein Information**Name** TOMM40**Synonyms** C19orf1, PEREC1, TOM40**Function**

Channel-forming protein essential for import of protein precursors into mitochondria (PubMed:<a

[15644312](http://www.uniprot.org/citations/15644312), PubMed: [31206022](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/31206022)).

Cellular Location

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

Tom 40 Blocking Peptide - 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 Blocking Peptide - Images