

**TMPO Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19087c****Specification**

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**TMPO Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P42167](#)**TMPO Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 7112**Other Names**

Lamina-associated polypeptide 2, isoforms beta/gamma, Thymopoietin, isoforms beta/gamma, TP beta/gamma, Thymopoietin-related peptide isoforms beta/gamma, TPRP isoforms beta/gamma, Thymopoietin, TP, Splenin, Thymopentin, TP5, TMPO, LAP2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TMPO Antibody (Center) Blocking Peptide - Protein Information****Name** TMPO**Synonyms** LAP2**Function**

May help direct the assembly of the nuclear lamina and thereby help maintain the structural organization of the nuclear envelope. Possible receptor for attachment of lamin filaments to the inner nuclear membrane. May be involved in the control of initiation of DNA replication through its interaction with NAKAP95.

**Cellular Location**

Nucleus inner membrane; Single-pass type II membrane protein. Note=Tightly associated with the nuclear lamina

**Tissue Location**

Expressed in many tissues. Most abundant in adult thymus and fetal liver

## **TMPO Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **TMPO Antibody (Center) Blocking Peptide - Images**

## **TMPO Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene resides in the nucleus and may play a role in the assembly of the nuclear lamina, and thus help maintain the structural organization of the nuclear envelope. It may function as a receptor for the attachment of lamin filaments to the inner nuclear membrane. Mutations in this gene are associated with dilated cardiomyopathy. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

## **TMPO Antibody (Center) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Craig, D.W., et al. Diabet. Med. 26(11):1090-1098(2009) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Shaklai, S., et al. Eur. J. Cell Biol. 87(5):267-278(2008)