

THOC3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17859a**Specification**

THOC3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q96J01](#)

THOC3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 84321

Other Names

THO complex subunit 3, Tho3, TEX1 homolog, hTREX45, THOC3

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.

THOC3 Antibody (N-term) Blocking Peptide - Protein Information

Name THOC3

Function

Required for efficient export of polyadenylated RNA and spliced mRNA. Acts as a component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production.

Cellular Location

Nucleus. Nucleus speckle

THOC3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

THOC3 Antibody (N-term) Blocking Peptide - Images

THOC3 Antibody (N-term) Blocking Peptide - Background

TEX1 is part of the TREX (transcription/export) complex, which includes THO2 (MIM 300395), HPR1 (MIM 606930), ALY (MIM604171), and UAP56 (MIM 142560).

THOC3 Antibody (N-term) Blocking Peptide - References

Boyne, J.R., et al. PLoS Pathog. 4 (10), E1000194 (2008) :Cheng, H., et al. Cell 127(7):1389-1400(2006)Masuda, S., et al. Genes Dev. 19(13):1512-1517(2005)Guo, S., et al. Cancer Res. 65(8):3011-3016(2005)Strasser, K., et al. Nature 417(6886):304-308(2002)