

**THOC6 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18586c****Specification**

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**THOC6 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q86W42](#)**THOC6 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 79228**Other Names**

THO complex subunit 6 homolog, Functional spliceosome-associated protein 35, fSAP35, WD repeat-containing protein 58, THOC6, WDR58

**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.

**THOC6 Antibody (Center) Blocking Peptide - Protein Information****Name** THOC6**Synonyms** WDR58**Function**

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. Plays a role in apoptosis negative control involved in brain development.

**Cellular Location**

Nucleus. Nucleus speckle

## **THOC6 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **THOC6 Antibody (Center) Blocking Peptide - Images**

## **THOC6 Antibody (Center) Blocking Peptide - Background**

Component of the THO subcomplex of the TREX complex. The TREX complex specifically associates with spliced mRNA and not with unspliced pre-mRNA. It 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. The recruitment occurs via an interaction between THOC4 and the cap-binding protein NCBP1. UAP56 functions as a bridge between THOC4 and the THO complex. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production. The recruitment of the TREX complex to the intronless viral mRNA occurs via an interaction between KSHV ORF57 protein and THOC4.

## **THOC6 Antibody (Center) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Boyne, J.R., et al. PLoS Pathog. 4 (10), E1000194 (2008) :Cheng, H., et al. Cell 127(7):1389-1400(2006)