

Datasheet for ABIN6149119
anti-THO Complex 5 antibody (AA 150-370)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | THO Complex 5 (THOC5) |
| Binding Specificity: | AA 150-370 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This THO Complex 5 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-------------------|--|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 150-370 of human THOC5 (NP_003669.4). |
| Sequence: | FKSKHEEIDL VSLEEFYKEA PPDISKA EVT MGDPHQQT LA RLDWELEQRK RLAEKYRECL SNKEKILKEI EVKKEYLSSL QPRLNSIMQA SLPVQEYLFM PFDQAHKQYE TARHLPPPLY VLFVQATAYG QACDKTLSVA IEGSVDEAKA LFKPPEDSQD DESDSDAE EEE QTTKRRRPTL GVQLDDKRKE MLKRHPLSVM LDLKCKDDSV LHLTFYYLMN L |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

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|-------------------|--|
| Target: | THO Complex 5 (THOC5) |
| Alternative Name: | THOC5 (THOC5 Products) |
| Background: | <p>Acts as 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. THOC5 in conjunction with ALYREF/THOC4 functions in NXF1-NXT1 mediated nuclear export of HSP70 mRNA, both proteins enhance the RNA binding activity of NXF1 and are required for NXF1 localization to the nuclear rim. Involved in transcription elongation and genome stability. Involved in alternative polyadenylation site choice by recruiting CPSF6 to 5' region of target genes, probably mediates association of the TREX and CFIm complexes., Regulates the expression of myeloid transcription factors CEBPA, CEBPB and GAB2 by enhancing the levels of phosphatidylinositol 3,4,5-trisphosphate. May be involved in the differentiation of granulocytes and adipocytes. Essential for hematopoietic primitive cell survival and plays an integral role in monocytic development.,THOC5,C22orf19,Fmip,PK1.3,fSAP79,Immunology & Inflammation,Cell Intrinsic Innate Immunity Signaling Pathway,THOC5</p> |
| Molecular Weight: | 78 kDa |
| Gene ID: | 8563 |
| UniProt: | Q13769 |

Application Details

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| Application Notes: | WB,1:500 - 1:2000 |
| Restrictions: | For Research Use only |

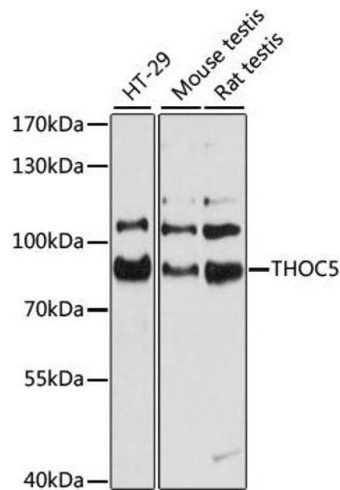
Handling

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|---------------|---|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |

Handling

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|--------------------|--|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using THOC5 antibody (ABIN6128826, ABIN6149119, ABIN6149120 and ABIN6215328) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.