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Datasheet for ABIN7172058

## anti-THO Complex 4 antibody (AA 186-240) (HRP)

### Overview

Quantity:	100 µg
Target:	THO Complex 4 (THOC4)
Binding Specificity:	AA 186-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THO Complex 4 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human THO complex subunit 4 protein (186-240AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	THO Complex 4 (THOC4)
Alternative Name:	ALYREF ( <a href="#">THOC4 Products</a> )
Background:	Background: Export adapter involved in nuclear export of spliced and unspliced mRNA. Binds mRNA which is thought to be transferred to the NXF1-NXT1 heterodimer for export (TAP/NFX1)

## Target Details

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pathway). Component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and 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. TREX recruitment occurs via an interaction between ALYREF/THOC4 and the cap-binding protein NCBP1. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production, ALYREF/THOC4 mediates the recruitment of the TREX complex to the intronless viral mRNA. Required for TREX complex assembly and for linking DDX39B to the cap-binding complex (CBC). In conjunction with THOC5 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 the nuclear export of intronless mRNA, proposed to be recruited to intronless mRNA by ATP-bound DDX39B. Involved in transcription elongation and genome stability.

Aliases: Ally of AML-1 and LEF-1 antibody, Ally of AML1 and LEF1 antibody, ALY antibody, ALY/REF antibody, Aly/REF export factor antibody, BEF antibody, bZIP enhancing factor antibody, bZIP-enhancing factor BEF antibody, REF antibody, THO complex 4 antibody, THO complex subunit 4 antibody, Tho4 antibody, thoc4 antibody, THOC4\_HUMAN antibody, Transcriptional coactivator Aly/REF antibody, Transcriptional coactivator antibody

UniProt: [Q86V81](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.