

Datasheet for ABIN7172059

anti-THO Complex 5 antibody (AA 2-53)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	THO Complex 5 (THOC5)
Binding Specificity:	AA 2-53
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THO Complex 5 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human THO complex subunit 5 homolog protein (2-53AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	THO Complex 5 (THOC5)
Alternative Name:	THOC5 (THOC5 Products)
Background:	Background: 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

Target Details

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.

Aliases: C22orf19 antibody, Chromosome 22 open reading frame 19 antibody, Fmip antibody, Fms interacting protein antibody, fSAP79 antibody, Functional spliceosome-associated protein 79 antibody, hTREX90 antibody, KIAA0983 antibody, LOC400922 antibody, NF2/meningioma region protein pK1.3 antibody, PK1.3 antibody, Placental protein 39.2 antibody, PP39.2 antibody, THO complex 5 antibody, THO complex subunit 5 antibody, THO complex subunit 5 homolog antibody, thoc5 antibody, THOC5_HUMAN antibody

UniProt: [Q13769](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

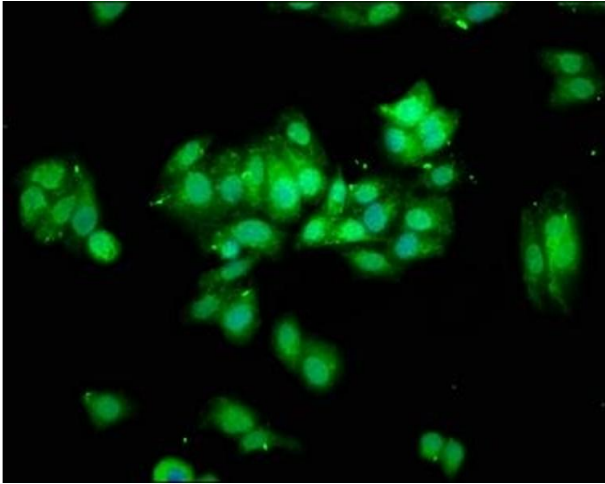
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

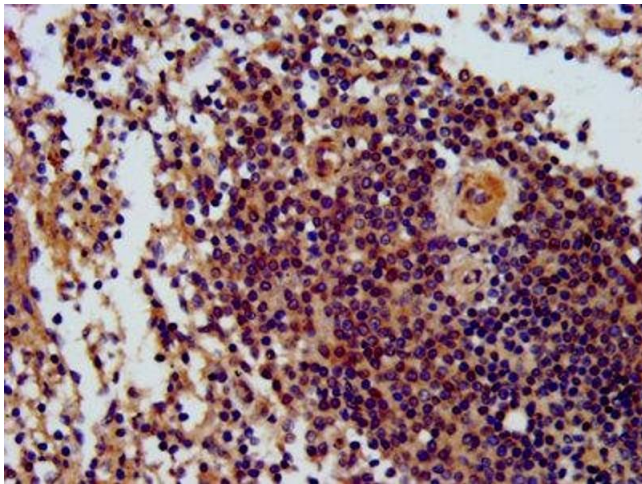
Storage: -20 °C,-80 °C

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



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7172059 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7172059 diluted at 1:300 and staining in paraffin-embedded human spleen tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.