

Datasheet for ABIN7172050
anti-THOC1 antibody (AA 428-657)



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4 Images

Overview

Quantity:	100 µL
Target:	THOC1
Binding Specificity:	AA 428-657
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THOC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant Human THO complex subunit 1 protein (428-657AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	THOC1
Alternative Name:	THOC1 (THOC1 Products)
Background:	Background: Required for efficient export of polyadenylated RNA. Acts as component of the

Target Details

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. Regulates transcriptional elongation of a subset of genes. Involved in genome stability by preventing co-transcriptional R-loop formation. Participates in an apoptotic pathway which is characterized by activation of caspase-6, increases in the expression of BAK1 and BCL2L1 and activation of NF-kappa-B. This pathway does not require p53/TP53, nor does the presence of p53/TP53 affect the efficiency of cell killing. Activates a G2/M cell cycle checkpoint prior to the onset of apoptosis. Apoptosis is inhibited by association with RB1.

Aliases: hTREX84 antibody, Death domain containing protein p84N5 antibody, HPR 1 antibody, HPR1 antibody, hTREX84 antibody, Nuclear matrix protein p84 antibody, P84 antibody, p84N5 antibody, Tho 1 antibody, THO complex 1 antibody, THO complex subunit 1 antibody, Tho1 antibody, THOC 1 antibody, Thoc1 antibody, THOC1_HUMAN antibody

UniProt: [Q96FV9](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

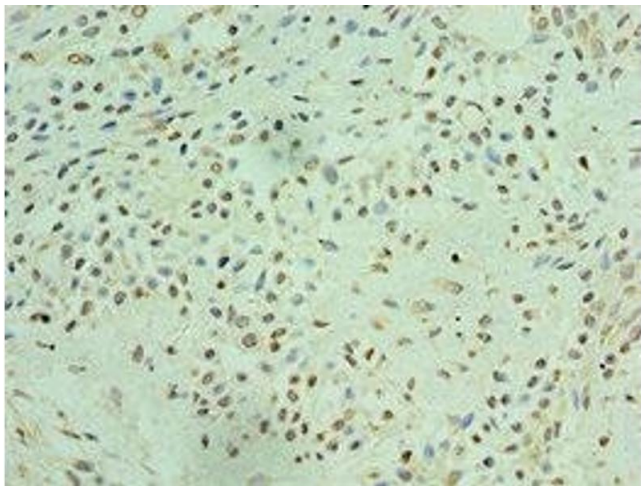
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

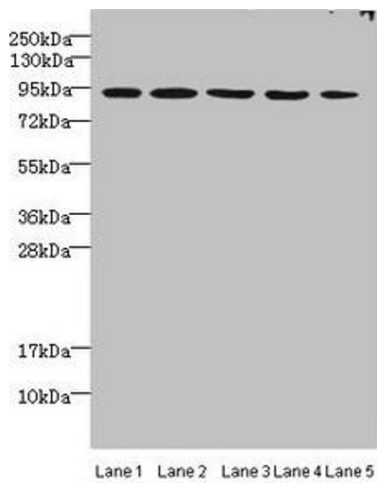
Storage: -20 °C, -80 °C

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



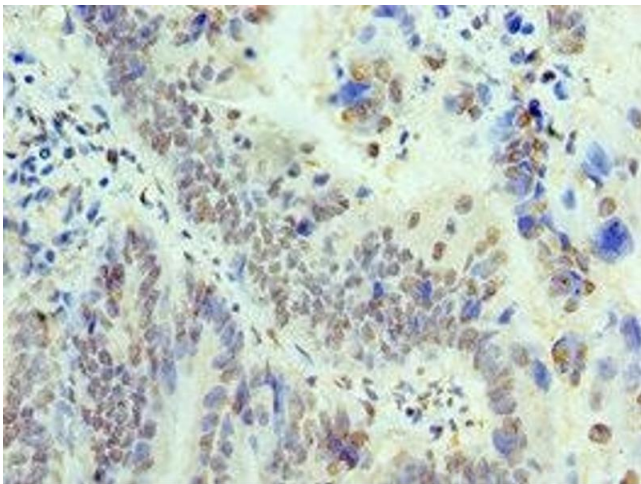
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7172050 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: THOC1 antibody at 3 μ g/mL Lane 1: Jurkats whole cell lysate Lane 2: 293T whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: A549 whole cell lysate Lane 5: Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 76, 44 kDa Observed band size: 76 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7172050 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7172050.