

Rabbit anti-Human THOC1 Polyclonal Antibody | anti-THOC1 antibody

Rabbit anti-human THOC1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119500	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

THOC1; Polyclonal Antibody; Rabbit anti-human THOC1 polyclonal Antibody; Tho1; Nuclear matrix protein p84; p84N5; hTREX84; HPR1; anti-THOC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	657
Applicable Applications for anti-THOC1 antibody	ChIP (Chromatin immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human THO complex subunit 1 protein (428-657aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-69035
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



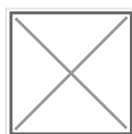
ChIP (Chromatin immunoprecipitation)

Chromatin Immunoprecipitation 293T(1.6*10⁶) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4ug anti-THOC1 or a control normal rabbit IgG . The resulting ChIP DNA was quantified using real-time PCR with primers against the RHOX5 promoter.



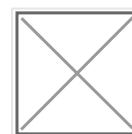
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA119500 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA119500 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA119500 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: THOC1 antibody at 3ug/mlLane 1: Jurkats whole cell lysateLane 2: 293T whole cell lysateLane 3: HepG2 whole cell lysateLane 4: A549 whole cell lysateLane 5: Mouse kidney tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 76,44 kDaObserved band size: 76 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-THOC1 antibody	Required for efficient export of polyadenylated RNA. 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. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154448890
NCBI GeneID	9984
NCBI Accession #	NP_005122.2
NCBI GenBank Nucleotide #	NM_005131.2
UniProt Accession #	Q96FV9; Q15219; Q64I72; Q64I73; B2RBP6
Molecular Weight	43,359 Da
NCBI Official Full Name	THO complex subunit 1
NCBI Official Synonym Full Names	THO complex 1
NCBI Official Symbol	THOC1
NCBI Official Synonym Symbols	P84; HPR1; P84N5
NCBI Protein Information	THO complex subunit 1
UniProt Protein Name	THO complex subunit 1
UniProt Gene Name	THOC1
UniProt Synonym Gene Names	HPR1; Tho1; p84N5
UniProt Entry Name	THOC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.