

anti-Human THO Complex Subunit 1 Monoclonal Antibody | anti-THOC1 antibody

THO Complex Subunit 1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314426	Recombinant Rabbit	Human	Immunofluorescence, Western Blot

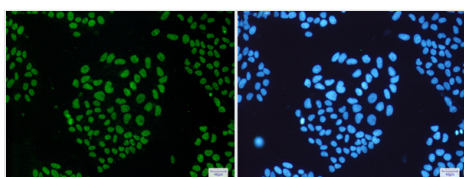
PRODUCT SYNONYMS

THO Complex Subunit 1; Monoclonal Antibody; THO Complex Subunit 1 Rabbit mAb; P84; HPR1; P84N5; anti-THOC1 antibody

PRODUCT SPECIFICATIONS

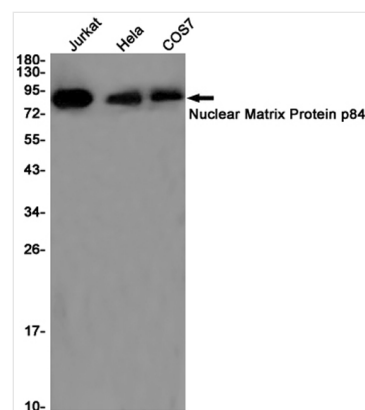
Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S05-1A8
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-THOC1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human Nuclear Matrix Protein p84
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of Nuclear Matrix Protein p84(green) in HeLa cells using Nuclear Matrix Protein p84 Rabbit mAb at dilution 1/50, and DAPI(blue)



WB (Western Blot)

Western blot detection of Nuclear Matrix Protein p84 in Jurkat, HeLa, COS7 cell lysates using Nuclear Matrix Protein p84 Rabbit mAb(1:1000 diluted). Predicted band size: 76KDa. Observed band size: 84KDa.

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.
Product Categories/Family for anti-THOC1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	154448889
NCBI GeneID	9984
NCBI Accession #	NP_005122.2
NCBI GenBank Nucleotide #	NM_005131
UniProt Accession #	Q96FV9; Q15219; Q64I72; Q64I73; B2RBP6
Molecular Weight	43,359 Da
NCBI Official Full Name	Homo sapiens THO complex 1 (THOC1), mRNA
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; hTREX84; nuclear matrix protein p84; tho1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/tho-complex-subunit-1-antibody-clone-s05-1a8-immunofluorescence-western-blot-elisa/314426>