
Product Name: KD-Validated THO Complex Subunit 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00838**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 75.7kDa

Antigen Information

Gene Name	THOC1
Alternative Names	THOC1; THO Complex Subunit 1; HPR1; P84; Nuclear Matrix Protein P84; THO Complex 1; HTREX84; P84N5; Tho1; DFNA86
Gene ID	9984.0
SwissProt ID	Q96FV9
Immunogen	A synthesized peptide derived from human Nuclear Matrix Protein p84

Background

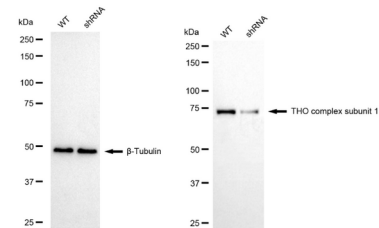
Predicted to enable DNA binding activity and RNA binding activity. Involved in mRNA export from nucleus. Located in chromosome, telomeric region; cytoplasm; and nuclear speck. Part of THO complex part of transcription export complex.

Implicated in autosomal dominant nonsyndromic deafness 86. [provided by Alliance of Genome Resources, Jul 2025]

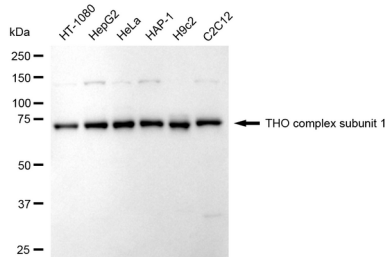
Research Area

Tags & Cell Markers, Epigenetics and Nuclear Signaling

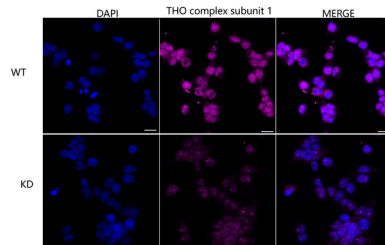
Image Data



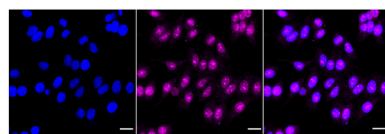
Western blotting analysis using THO complex subunit 1 antibody (KVA00838). THO complex subunit 1 expression in wild-type (WT) and THO complex subunit 1 (THOC1) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with THO complex subunit 1 antibody (KVA00838, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



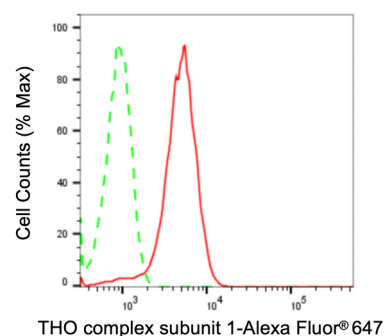
Western blotting analysis using THO complex subunit 1 antibody (KVA00838). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with THO complex subunit 1 antibody (KVA00838, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using THO complex subunit 1 antibody (KVA00838, 1:1,000). Top panel: wild-type (WT); Bottom panel: THO complex subunit 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; THO complex subunit 1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with THO complex subunit 1 antibody (KVA00838, 1:1,000). Nuclei were stained blue with DAPI; THO complex subunit 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



Flow cytometric analysis of THO complex subunit 1 expression in HepG2 cells using THO complex subunit 1 antibody (KVA00838, 1:2,000). Green, isotype control; red, THO complex subunit 1.