

## THOC1 Polyclonal Antibody

Catalog number: 10920-1-AP

Size: 50 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

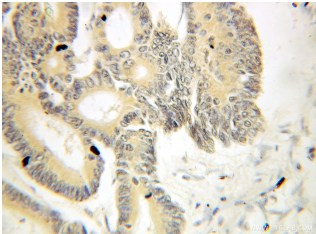
THOC1; HPR1, hTRES84,

Nuclear matrix protein p84,

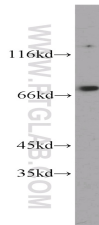
P84, P84N5, THO complex 1,

THO complex subunit 1, Tho1,

THOC1



Immunohistochemical of paraffin-embedded human colon cancer using 10920-1-AP (THOC1 antibody) at dilution of 1:100 (under 10x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10920-1-AP (THOC1 antibody) at dilution of 1:500

### Background

THOC1 (THO complex subunit 1), also known as Tho1, P84, HPR1 or P84N5, is a 657 amino acid nuclear matrix protein and is evolutionarily conserved from yeast to humans. THOC1 contains one death domain and is a component of the heteromultimeric THO/TREX (transcription/export) complex along with THOC2, THOC3, BAT1 and ALY. The THO/TREX complex is recruited to transcribed genes and travels along with RNA polymerase II (Pol II) during elongation, coupling elongating Pol II with RNA splicing and export factors. THOC1 is expressed at high levels in breast cancer cells and at relatively low levels in normal epithelia. A reduction of THOC1 in cancer cell lines results in promoted cancer cell apoptosis and reduced cell proliferation. This suggests that cancer cells are dependent on the high levels of THOC1 expression and therefore THOC1 may be a good target for cancer therapy. This antibody recognizes the 84kd THOC1 protein.

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated THOC1 MW:	84 kDa
Observed THOC1 MW:	84 kDa
Positive WB detected in	HEK-293 cells
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1352
GenBank accession number:	BC010381
Gene ID (NCBI):	9984
Full name:	THO complex 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.