

For Research Use Only

# THOC5 Polyclonal antibody

Catalog Number: 14862-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

14862-1-AP

### Size:

550 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6664

### GenBank Accession Number:

BC003615

### GeneID (NCBI):

8563

### UNIPROT ID:

Q13769

### Full Name:

THO complex 5

### Calculated MW:

79 kDa

### Observed MW:

79 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:3000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HEK-293 cells, HeLa cells, NIH/3T3 cells

IP : HEK-293 cells,

IHC : human breast cancer tissue, human lung cancer tissue

IF/ICC : HepG2 cells,

## Background Information

THOC5, also named as C22orf19, or KIAA0983, is a 683 amino acid protein, which belongs to the THOC5 family. THOC5 is ubiquitously expressed in many tissues. THOC5 localizes in the nucleus and 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. THOC5 plays a role in cytokine-stimulated monocytic development and affects granulocyte/macrophage differentiation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wang Li L	24315442	Cell Stem Cell	

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

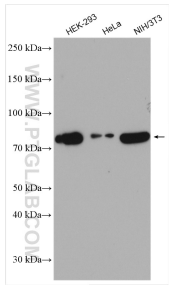
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

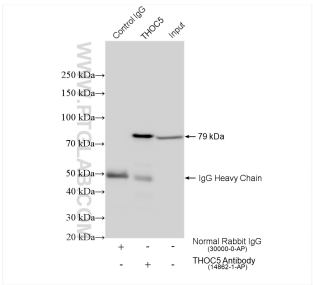
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



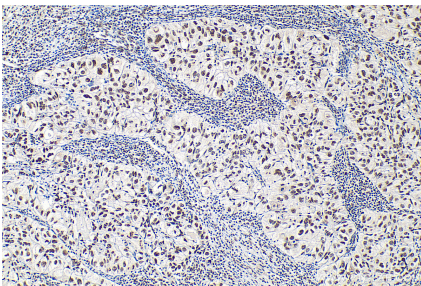
Various lysates were subjected to SDS PAGE followed by western blot with 14862-1-AP (THOC5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-THOC5 (IP:14862-1-AP, 4ug; Detection:14862-1-AP 1:5000) with HEK-293 cells lysate 920 ug.



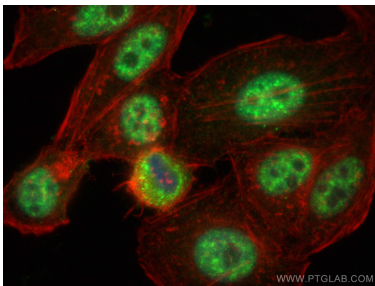
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14862-1-AP (THOC5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14862-1-AP (THOC5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14862-1-AP (THOC5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using THOC5 antibody (14862-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).