

For Research Use Only

THOC5 Polyclonal antibody

Catalog Number: 14862-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 14862-1-AP	GenBank Accession Number: BC003615	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 8563	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: THO complex 5	
Isotype: IgG	Calculated MW: 79 kDa	
Immunogen Catalog Number: AG6664	Observed MW: 79 kDa	

Applications

Tested Applications:
FC, IF, IHC, IP, WB, 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 : 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

*** 20ul sizes contain 0.1% BSA

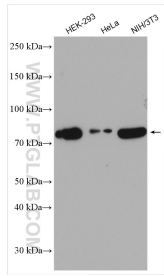
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

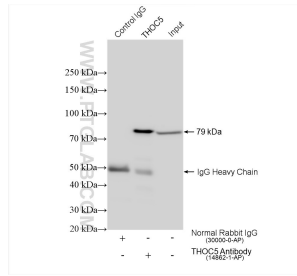
E: proteintech@ptglab.com
W: ptglab.com

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

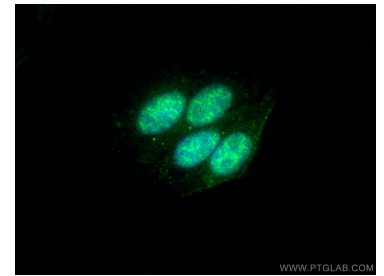
Selected Validation Data



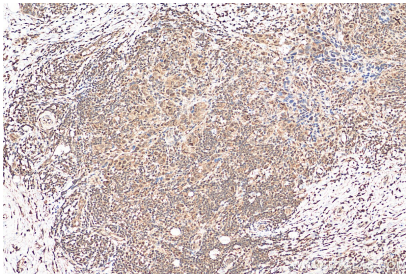
Various lysates were subjected to SDS PAGE followed by western blot with 14862-1-AP (THOC5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



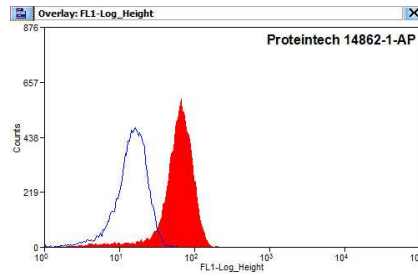
IP result of anti-THOC5(IP:14862-1-AP, 4ug; Detection:14862-1-AP 1:5000) with HEK-293 cells lysate 920 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using THOC5 antibody (14862-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14862-1-AP (THOC5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 HEK-293 cells were stained with 0.2ug THOC5 antibody (14862-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.