

For Research Use Only

# THOC3 Monoclonal antibody

Catalog Number: 68812-3-Ig



## Basic Information

<b>Catalog Number:</b> 68812-3-Ig	<b>GenBank Accession Number:</b> BC006849	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Mouse	<b>GeneID (NCBI):</b> 84321	<b>CloneNo.:</b> 1A5B12
<b>Isotype:</b> IgG2b	<b>UNIPROT ID:</b> Q96J01	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:2000-1:8000 IF/ICC: 1:500-1:2000
<b>Immunogen Catalog Number:</b> AG35578	<b>Full Name:</b> THO complex 3	
	<b>Calculated MW:</b> 327 aa, 36 kDa	
	<b>Observed MW:</b> 39 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

**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:** MCF-10A cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

**IHC:** human ovary cancer tissue,

**IF/ICC:** A431 cells,

## Background Information

THOC3 is a component of the nuclear THO transcription elongation complex, which is a part of the larger transcription export (TREX) complex that couples messenger RNA processing and export. Additionally, THOC3 plays a key role in many cellular mechanisms, such as in the pathogenesis of cancer and neurodegenerative diseases (PMID: 36674977). THOC3 has 2 isoforms with the molecular weights of 36 kDa and 39 kDa.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

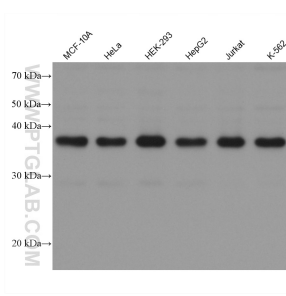
T: 4006900926

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

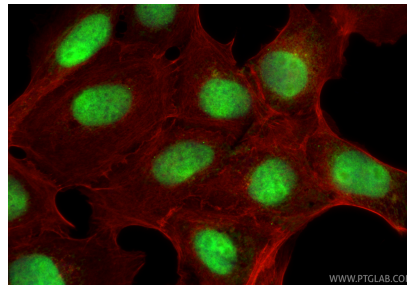
W: [ptgcn.com](http://ptgcn.com)

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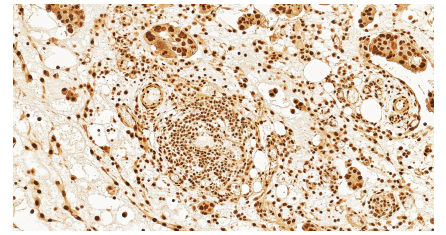
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68812-3-Ig (THOC3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using THOC3 antibody (68812-3-Ig, Clone: 1A5B12 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 68812-3-Ig (THOC3 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).