

For Research Use Only

THOC3 Monoclonal antibody

Catalog Number: 68812-3-Ig



Basic Information

Catalog Number: 68812-3-Ig	GenBank Accession Number: BC006849	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 84321	CloneNo.: 1A5B12
Source: Mouse	UNIPROT ID: Q96J01	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:2000-1:8000 IF/ICC: 1:500-1:2000
Isotype: IgG2b	Full Name: THO complex 3	
Immunogen Catalog Number: AG35578	Calculated MW: 327 aa, 36 kDa	
	Observed MW: 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

*** 20ul sizes contain 0.1% BSA

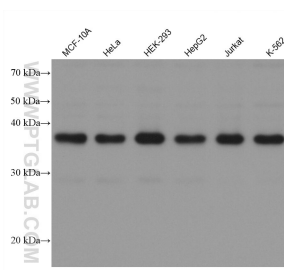
For technical support and original validation data for this product please contact:

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

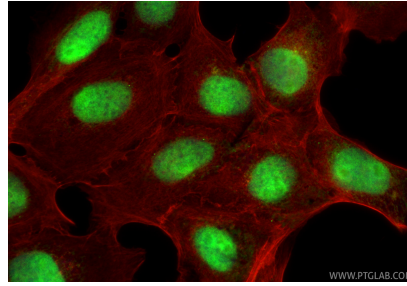
E: proteintech@ptglab.com
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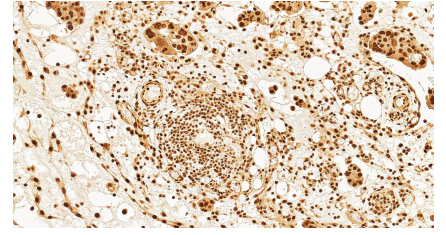
Selected Validation Data



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).