

For Research Use Only

# THOC3 Polyclonal antibody

Catalog Number: 11716-1-AP



## Basic Information

<b>Catalog Number:</b> 11716-1-AP	<b>GenBank Accession Number:</b> BC006849	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 120 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84321	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96J01	
<b>Isotype:</b> IgG	<b>Full Name:</b> THO complex 3	
<b>Immunogen Catalog Number:</b> AG2289	<b>Calculated MW:</b> 327 aa, 36 kDa	
	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, IHC : human ovary cancer tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 and 39 kDa.

## Storage

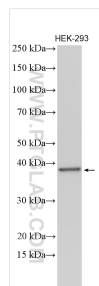
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

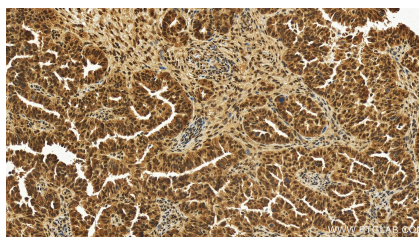
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11716-1-AP (THOC3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 11716-1-AP (THOC3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).