

For Research Use Only

# EXOSC7 Polyclonal antibody

Catalog Number: 25292-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 25292-1-AP	<b>GenBank Accession Number:</b> BC012831	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 23016	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15024	
<b>Isotype:</b> IgG	<b>Full Name:</b> exosome component 7	
<b>Immunogen Catalog Number:</b> AG18212	<b>Calculated MW:</b> 291 aa, 32 kDa <b>Observed MW:</b> 37 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, A431 cells, COLO 320 cells, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells IHC : human kidney tissue, human colon tissue IF : MCF-7 cells,
<b>Cited Applications:</b> WB, IP, IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human	

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

## Background Information

In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. EXOSC7 also named as RRP42 or EAP1 is a 291 amino acid protein, which belongs to the RNase PH family. EXOSC7 is one of the six RNase-PH domain subunits of the exosome and required for the processing of the 7S pre-RNA

## Notable Publications

Author	Pubmed ID	Journal	Application
Tobias Moll	36241425	Life Sci Alliance	WB
M Carmen Lafita-Navarro	37851577	Cell Rep	WB,IF,IP

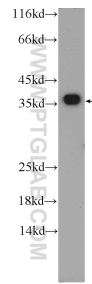
## Storage

**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

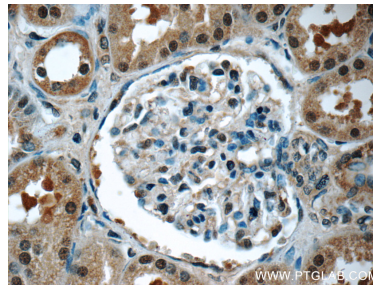
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

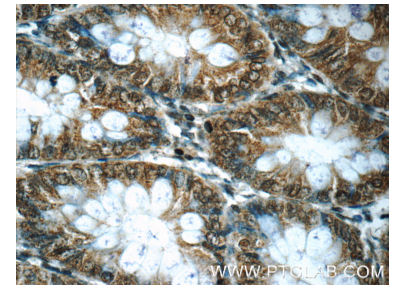
## Selected Validation Data



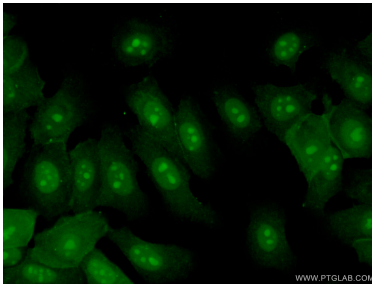
MCF-7 cells were subjected to SDS PAGE followed by western blot with 25292-1-AP (EXOSC7 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25292-1-AP (EXOSC7 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 25292-1-AP (EXOSC7 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed MCF-7 cells using 25292-1-AP (EXOSC7 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).