

For Research Use Only

# RNASE4 Polyclonal antibody

Catalog Number: 30732-1-AP



## Basic Information

<b>Catalog Number:</b> 30732-1-AP	<b>GenBank Accession Number:</b> BC015520	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 350 µg/ml	<b>GeneID (NCBI):</b> 6038	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P34096	
<b>Isotype:</b> IgG	<b>Full Name:</b> ribonuclease, RNase A family, 4	
<b>Immunogen Catalog Number:</b> AG29272	<b>Observed MW:</b> 17-20 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> human milk, THP-1 cells <b>IHC :</b> rat lung tissue, mouse bladder tissue

**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

Human Ribonuclease 4 (RNase 4), one of the eight members of the human RNase A superfamily of endoribonucleases, is a uridine-specific endoribonuclease with a preference to cleave RNA after uridine residues prior to purines (PMID: 33818125). RNase 4 is a newly identified host defense peptide in the human kidney and bladder and kills uropathogenic E. coli (UPEC) and multi-drug resistant UPEC (PMID: 28955965).

## 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:

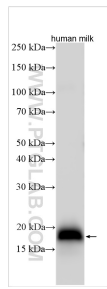
T: 4006900926

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

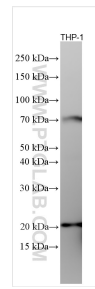
W: [ptgcn.com](http://ptgcn.com)

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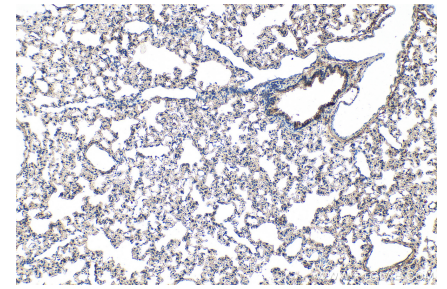
## Selected Validation Data



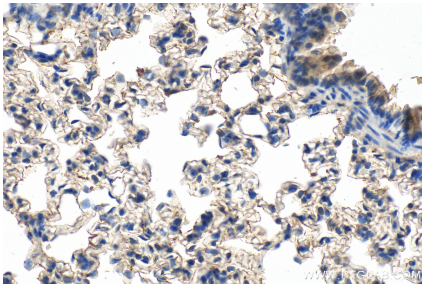
Various lysates were subjected to SDS PAGE followed by western blot with 30732-1-AP (RNASE4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 30732-1-AP (RNASE4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 30732-1-AP (RNASE4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).