

For Research Use Only

RNASE4 Polyclonal antibody

Catalog Number: 30732-1-AP



Basic Information

Catalog Number: 30732-1-AP	GenBank Accession Number: BC015520	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 6038	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: ribonuclease, RNase A family, 4	
Isotype: IgG	Observed MW: 17-20 kDa	
Immunogen Catalog Number: AG29272		

Applications

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

*** 20ul sizes contain 0.1% BSA

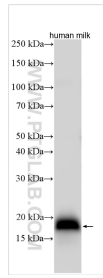
For technical support and original validation data for this product please contact:

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

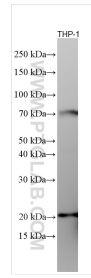
E: proteintech@ptglab.com
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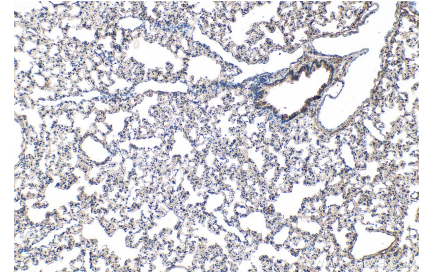
Selected Validation Data



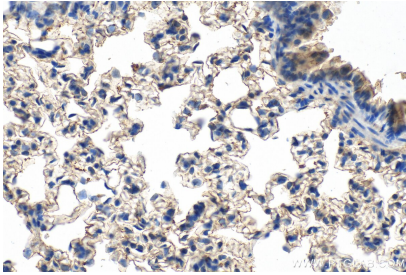
Various lysates were subjected to SDS PAGE followed by western blot with 30732-1-AP (RNASE4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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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).