

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 ug/ml by Nanodrop;	GeneID (NCBI): 6038	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P34096	
Isotype: IgG	Full Name: ribonuclease, RNase A family, 4	
Immunogen Catalog Number: AG29272	Observed MW: 17-20 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : human milk, THP-1 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : rat lung tissue, mouse bladder tissue

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

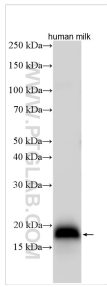
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

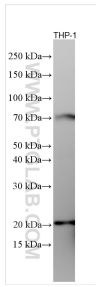
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

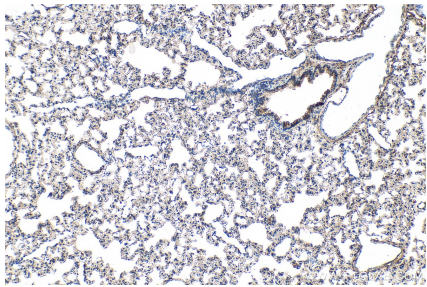
Selected Validation Data



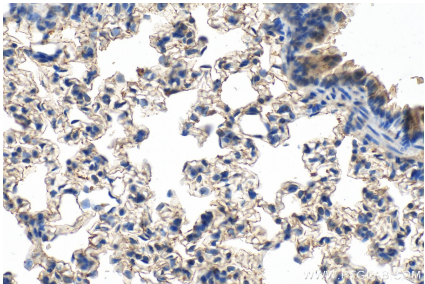
Various lysates were subjected to SDS PAGE followed by western blot with 30732-1-AP (RNASE4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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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).