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RNASE4 Rabbit pAb

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Catalog # AP58475

Product Information

Application	WB, IHC-P
Primary Accession	P34096
Reactivity	Rat, Human
Predicted	Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16840
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNASE4
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the pancreatic ribonuclease family. It plays an important role in mRNA cleavage and has marked specificity towards the 3' side of uridine nucleotides. Alternative splicing results in four transcript variants encoding the same protein. This gene and the gene that encodes angiogenin share promoters and 5' exons. Each gene splices to a unique downstream exon that contains its complete coding region. [provided by RefSeq, Aug 2013].

Additional Information

Gene ID	6038
Other Names	Ribonuclease 4, RNase 4, 3.1.27.-, RNASE4, RNS4
Dilution	WB=1:500-2000,IHC-P=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

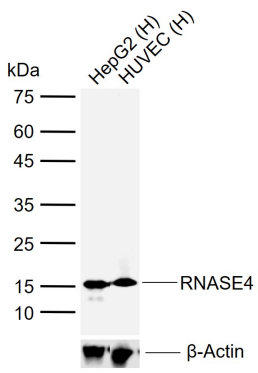
Name	RNASE4

Synonyms	RNS4
Function	Cleaves preferentially after uridine bases (PubMed: 3467790). Has antimicrobial activity against uropathogenic E.coli (UPEC) (PubMed:33818125). Probably contributes to urinary tract sterility (PubMed:33818125).
Cellular Location	Secreted. Note=Detected in urine.
Tissue Location	Expressed in the cortical and medullary tubules of the kidney, and in the transitional epithelium of the urinary bladder (at protein level).

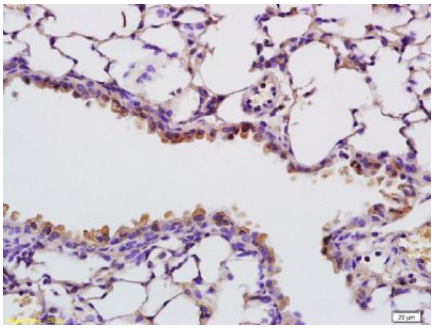
Background

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Images



Sample:
Lane 1: Human HepG2 cell lysates
Lane 2: Human HUVEC cell lysates
Primary: Anti-RNASE4 (AP58475) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 14 kDa
Observed band size: 15 kDa



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-RNASE4/Angiogenin Polyclonal Antibody, Unconjugated(AP58475) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.