

**RNAS7 Rabbit Polyclonal Antibody**  
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Catalog # AP93571**Specification**

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**RNAS7 Rabbit Polyclonal Antibody - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">O9H1E1</a>
Reactivity	Rat, Human
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	17419

**RNAS7 Rabbit Polyclonal Antibody - Additional Information**

Gene ID 84659

**Other Names**

Ribonuclease 7, RNase 7, 3.1.27.-, Skin-derived antimicrobial protein 2, SAP-2, RNASE7

**Storage Conditions**

-20°C

**RNAS7 Rabbit Polyclonal Antibody - Protein Information**

Name RNASE7

**Function**

Exhibits a potent RNase activity (PubMed: [12244054](http://www.uniprot.org/citations/12244054), PubMed: [12527768](http://www.uniprot.org/citations/12527768), PubMed: [17150966](http://www.uniprot.org/citations/17150966)). Has broad-spectrum antimicrobial activity against many pathogenic microorganisms including uropathogenic E.coli (UPEC), and remarkably potent activity (lethal dose of 90% < 30 nM) against a vancomycin resistant Enterococcus faecium (PubMed: [12244054](http://www.uniprot.org/citations/12244054), PubMed: [12527768](http://www.uniprot.org/citations/12527768), PubMed: [17150966](http://www.uniprot.org/citations/17150966), PubMed: [25075772](http://www.uniprot.org/citations/25075772), PubMed: [33818125](http://www.uniprot.org/citations/33818125)). Causes loss of bacterial membrane integrity (PubMed: [17150966](http://www.uniprot.org/citations/17150966)). Probably contributes to urinary tract sterility (PubMed: [25075772](http://www.uniprot.org/citations/25075772)). Bactericidal activity is independent of RNase activity (PubMed: [17150966](http://www.uniprot.org/citations/17150966)).

**Cellular Location**

Secreted. Note=Detected in urine

### Tissue Location

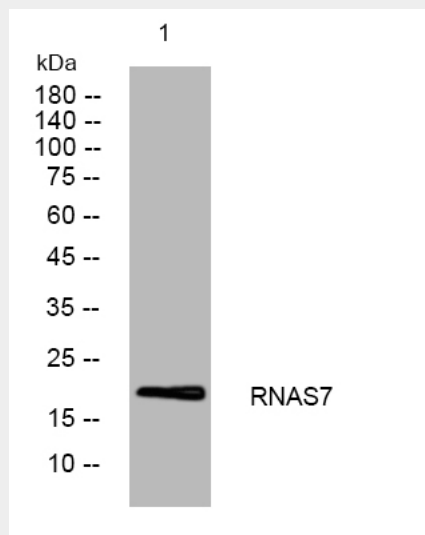
Expressed in collecting ducts in kidney, and in apical uroepithelium in bladder (at protein level) (PubMed:25075772) Expressed in various epithelial tissues including skin, respiratory tract, genito-urinary tract and, at a low level, in the gut (PubMed:12244054). Expressed in liver, kidney, skeletal muscle and heart (PubMed:12527768).

### RNAS7 Rabbit Polyclonal Antibody - Protocols

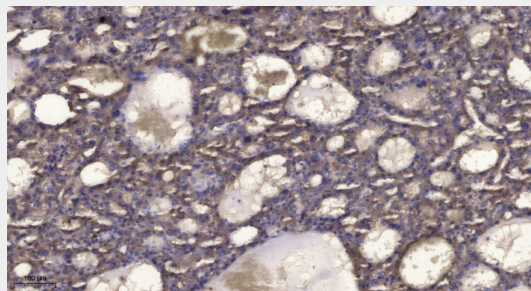
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RNAS7 Rabbit Polyclonal Antibody - Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

**RNAS7 Rabbit Polyclonal Antibody - Background**

The protein encoded by this gene belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. The protein has broad-spectrum antimicrobial activity against bacteria and fungi. [provided by RefSeq, Oct 2014],