

**RNASEK Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5259c****Specification**

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**RNASEK Antibody (Center) - Product Information**

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Application       | IHC-P, WB,E                                     |
| Primary Accession | <a href="#">Q6P5S7</a>                          |
| Other Accession   | <a href="#">Q8K3C0</a> , <a href="#">Q3ZC23</a> |
| Reactivity        | Human                                           |
| Predicted         | Bovine, Mouse                                   |
| Host              | Rabbit                                          |
| Clonality         | Polyclonal                                      |
| Isotype           | Rabbit IgG                                      |
| Antigen Region    | 26-55                                           |

**RNASEK Antibody (Center) - Additional Information****Gene ID** 440400**Other Names**

Ribonuclease kappa, RNase K, RNase kappa, 31--, RNASEK

**Target/Specificity**

This RNASEK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the Central region of human RNASEK.

**Dilution**

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RNASEK Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RNASEK Antibody (Center) - Protein Information****Name** RNASEK

**Function** Endoribonuclease which preferentially cleaves ApU and ApG phosphodiester bonds. Hydrolyzes UpU bonds at a lower rate (PubMed:[17881363](#)). Regulates the activity of vacuolar (H<sup>+</sup>)-ATPase (V-ATPase) which is responsible for acidifying and maintaining the pH of intracellular compartments (PubMed:[26212330](#)). Required at an early stage of receptor-mediated endocytosis (PubMed:[26212330](#)).

**Cellular Location**

Endomembrane system; Multi-pass membrane protein. Cytoplasmic vesicle, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:Q3ZC23}; Multi-pass membrane protein

**Tissue Location**

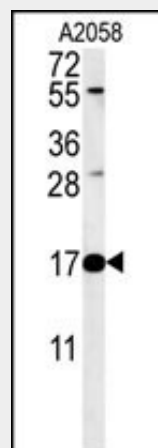
Widely expressed..

**RNASEK Antibody (Center) - Protocols**

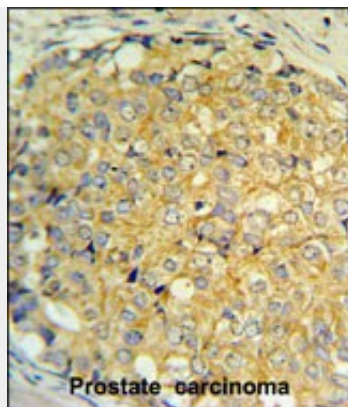
Provided below are standard protocols that you may find useful for product applications.

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

**RNASEK Antibody (Center) - Images**



RNASEK Antibody (Center) [Cat. #AP5259c] western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the RNASEK antibody detected the RNASEK protein (arrow).



RNASEK Antibody (Center) (Cat. #AP5259c) IHC analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RNASEK Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **RNASEK Antibody (Center) - Background**

RNASEK is endoribonuclease which preferentially cleaves ApU and ApG phosphodiester bonds. RNASEK hydrolyzes UpU bonds at a lower rate.

#### **RNASEK Antibody (Center) - References**

Economopoulou, M.A., et al. Nucleic Acids Res. 35(19):6389-6398(2007)

Venter, J.C., et al. Science 291(5507):1304-1351(2001)

#### **RNASEK Antibody (Center) - Citations**

- [Informatic deconvolution of biased GPCR signaling mechanisms from in vivo pharmacological experimentation.](#)