

RNASEK Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5259c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6P5S7
Other Accession	Q8K3C0 , Q3ZC23
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26649
Calculated MW	15420
Antigen Region	26-55

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	WB~~1:1000 IHC-P~~1:100~500 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.

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 ⁺)-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..

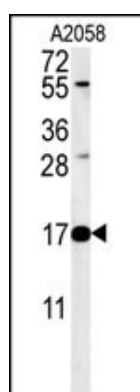
Background

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

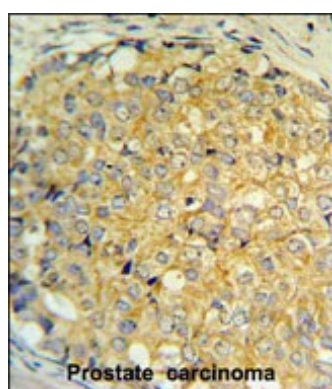
References

Economopoulou, M.A., et al. Nucleic Acids Res. 35(19):6389-6398(2007)
Venter, J.C., et al. Science 291(5507):1304-1351(2001)

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.

Citations

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