

RN5A Rabbit pAb

CatalogNo: YN3913

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 82kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human RN5A AA range: 248-298

Specificity

This antibody detects endogenous levels of RN5A at Human/Mouse

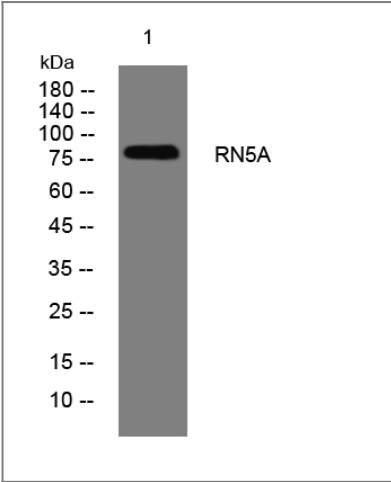
Target Information

Gene name

RNASEL RNS4

Protein Name	RN5A		
	Organism	Gene ID	UniProt ID
	Human	6041 ;	Q05823 ;
	Mouse	24014 ;	Q05921 ;
Cellular Localization	Cytoplasm . Mitochondrion .		
Tissue specificity	Highly expressed in spleen and thymus followed by prostate, testis, uterus, small intestine, colon and peripheral blood leukocytes.		
Function	<p>Catalytic activity: Cleaves 3' of UpNp dimers, with preference for UU and UA sequences, to sets of discrete products ranging from between 4 and 22 nucleotides in length., cofactor: Manganese or magnesium. Required for optimal RNA cleavage rates., Disease: Defects in RNASEL may be the cause of susceptibility to hereditary prostate cancer 1 (HPC1) [MIM:176807, 601518]., Domain: The nine ankyrin repeats also called 2-5A sensor constitute the 2-5A binding domain., Domain: The protein kinase domain is predicted to be catalytically inactive. It allows the homodimerization., enzyme regulation: After binding to 2-5A (5'-phosphorylated 2',5'-linked oligoadenylates) the homodimerization and subsequent activation occurs. Inhibited by RNase L inhibitor., Function: Endoribonuclease, mediator of interferon action, which play a role in mediating resistance to virus infection and apoptosis. Might play a central role in the regulation of mRNA turnover., induction: By interferons., similarity: Belongs to the protein kinase superfamily., similarity: Contains 1 KEN domain., similarity: Contains 1 protein kinase domain., similarity: Contains 9 ANK repeats., subunit: Monomer (inactive form) or homodimer., tissue specificity: Highly expressed in spleen and thymus followed by prostate, testis, uterus, small intestine, colon and peripheral blood leukocytes.,</p>		

| Validation Data



Western blot analysis of lysates from AD293 cells, primary antibody was diluted at 1:1000, 4°over night

| Contact information

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RN5A Rabbit pAb

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