



# RN5A rabbit pAb

<b>Catalog No</b>	BYab-08755
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	RNASEL RNS4
<b>Protein Name</b>	RN5A
<b>Immunogen</b>	Synthesized peptide derived from human RN5A AA range: 248-298
<b>Specificity</b>	This antibody detects endogenous levels of RN5A at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm . Mitochondrion .
<b>Tissue Specificity</b>	Highly expressed in spleen and thymus followed by prostate, testis, uterus, small intestine, colon and peripheral blood leukocytes.
<b>Function</b>	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

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role

**Background**

This gene encodes a component of the interferon-regulated 2-5A system that functions in the antiviral and antiproliferative roles of interferons. Mutations in this gene have been associated with predisposition to prostate cancer and this gene is a candidate for the hereditary prostate cancer 1 (HPC1) allele. [provided by RefSeq, Jul 2008],

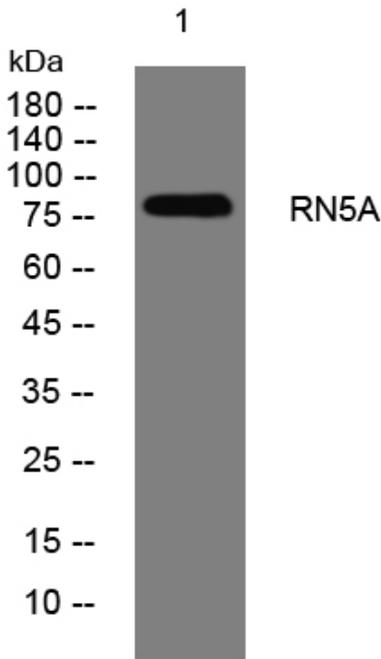
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



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