

RNase T2 Rabbit pAb

CatalogNo: YN6360

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 28kD (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 RNase T2

Specificity

This antibody detects endogenous levels of RNase T2 at Human, Mouse

| Target Information

Gene name

RNASET2 RNASE6PL

Protein Name	Ribonuclease T2 (Ribonuclease 6)		
	Organism	Gene ID	UniProt ID
	Human	8635;	O00584;
	Mouse	100037283;	Q9CQ01;
Cellular Localization	Secreted . Lysosome lumen . Endoplasmic reticulum lumen . Mitochondrion intermembrane space . Full-length RNASET2 is found in the endoplasmic reticulum while smaller RNASET2 proteolytic products are found in the lysosome fraction. .		
Tissue specificity	Ubiquitous. Higher expression levels observed in the temporal lobe and fetal brain.		
Function	Ribonuclease that plays an essential role in innate immune response by recognizing and degrading RNAs from microbial pathogens that are subsequently sensed by TLR8 . Cleaves preferentially single-stranded RNA molecules between purine and uridine residues, which critically contributes to the supply of catabolic uridine and the generation of purine-2',3'-cyclophosphate-terminated oligoribonucleotides . In turn, RNase T2 degradation products promote the RNA-dependent activation of TLR8 . Plays also a key role in degradation of mitochondrial RNA and processing of non-coding RNA imported from the cytosol into mitochondria . Participates as well in degradation of mitochondrion-associated cytosolic rRNAs .		

| Validation Data

| Contact information

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RNase T2 Rabbit pAb

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