

## 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

<b>Protein Name</b>	Ribonuclease T2 (Ribonuclease 6)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">8635;</a>	<a href="#">O00584;</a>
	Mouse	<a href="#">100037283;</a>	<a href="#">Q9CQ01;</a>
<b>Cellular Localization</b>	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. .		
<b>Tissue specificity</b>	Ubiquitous. Higher expression levels observed in the temporal lobe and fetal brain.		
<b>Function</b>	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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