



RNase T2 Mouse mAb

Catalog No	YP-mAb-18417
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RNASET2 RNASE6PL
Immunogen	Synthesized peptide derived from human RNase T2
Specificity	This antibody detects endogenous levels of RNase T2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RNase T2;bA514O12.3;EC:4.6.1.19;Ribonuclease 6;Ribonuclease T2;RNASET2 RNASE6PL;Ribonuclease T2 (Ribonuclease 6)
Observed Band	29 kDa
Calculated Molecular Weight	256 aa, 29 kDa
Cell Pathway	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 .

Background

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