

Rabbit anti-Human RNT2 Polyclonal Antibody | anti-RNASET2 antibody

RNT2 Antibody (N-term)

CATALOG # AAA283938	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

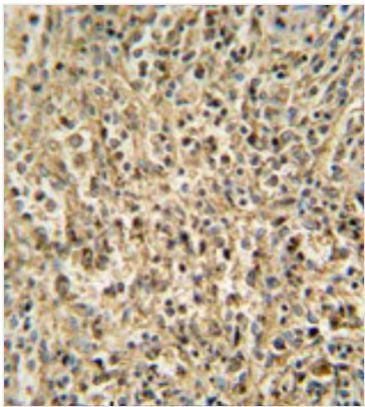
PRODUCT SYNONYMS

RNT2; Polyclonal Antibody; RNT2 Antibody (N-term); Ribonuclease T2; 3127-; Ribonuclease 6; RNASET2; RNASE6PL; anti-RNASET2 antibody

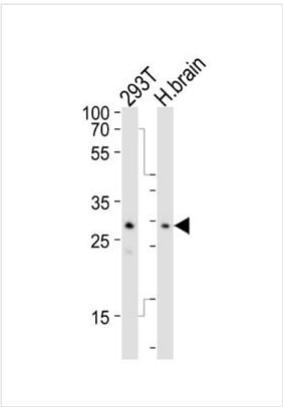
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This RNT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-55 amino acids from the N-terminal region of human RNT2
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	25-55
Applicable Applications for anti-RNASET2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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 (PubMed:). 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 (PubMed:). In turn, RNase T2 degradation products promote the RNA-dependent activation of TLR8 (PubMed:). Plays also a key role in degradation of mitochondrial RNA and processing of non-coding RNA imported from the cytosol into mitochondria (PubMed: , PubMed: 30184494). Participates as well in degradation of mitochondrion-associated cytosolic rRNAs (PubMed:).
Cellular Location	Secreted. Lysosome lumen. Endoplasmic reticulum lumen. Mitochondrion intermembrane space. Note=Full-length RNASET2 is found in the endoplasmic reticulum while smaller RNASET2 proteolytic products are found in the lysosome fraction.
Tissue Location	Ubiquitous. Higher expression levels observed in the temporal lobe and fetal brain
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
RNT2 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RNT2 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from 293T cell line, human brain tissue lysate (from left to right), using RNT2 Antibody (N-term). AAA283938 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-RNASET2 antibody	This ribonuclease gene is a novel member of the Rh/T2/S-glycoprotein class of extracellular ribonucleases. It is a single copy gene that maps to 6q27, a region associated with human malignancies and chromosomal rearrangement.
Product Categories/Family for anti-RNASET2 antibody	Cancer
References	Fransen, K., et al. Hum. Mol. Genet. 19(17):3482-3488(2010) Quan, C., et al. Nat. Genet. 42(7):614-618(2010) Liu, J., et al. J. Cell. Mol. Med. 14(5):1146-1155(2010) Henneke, M., et al. Nat. Genet. 41(7):773-775(2009) Monti, L., et al. Oncol. Res. 17(2):69-74(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5231228
NCBI GeneID	8635
NCBI Accession #	NP_003721.2
NCBI GenBank Nucleotide #	NM_003730.4
UniProt Accession #	O00584; Q5T8Q0; Q8TCU2; Q9BZ46; Q9BZ47; B2RDA7; E1P5C3
Molecular Weight	29481
NCBI Official Full Name	ribonuclease T2
NCBI Official Synonym Full Names	ribonuclease T2
NCBI Official Symbol	RNASET2
NCBI Official Synonym Symbols	RNASE6PL; bA514O12.3
NCBI Protein Information	ribonuclease T2
UniProt Protein Name	Ribonuclease T2
UniProt Gene Name	RNASET2

UniProt Synonym Gene Names	RNASE6PL
UniProt Entry Name	RNT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/rnt2-antibody-immunohistochemistry-western-blot-elisa/283938>