

Anti-Ribonuclease A Antibody

Catalog # ABO10825

Product Information

Application	WB
Primary Accession	P07998
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Ribonuclease pancreatic(RNASE1) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6035
Other Names	Ribonuclease pancreatic, 3.1.27.5, HP-RNase, RIB-1, RNase UpI-1, Ribonuclease 1, RNase 1, Ribonuclease A, RNase A, RNASE1, RIB1, RNS1
Calculated MW	17644
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted.
Tissue Specificity	Pancreas and other tissues and body fluids (indicating it may have other physiological functions besides its role in digestion).
Source	Eukaryota
Protein Name	Ribonuclease pancreatic
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Ribonuclease A(72-90aa NTFVHEPLVDVQNVCFQEK).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated

freezing and thawing.

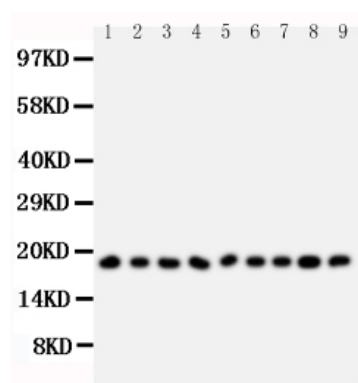
Protein Information

Name	RNASE1
Synonyms	RIB1, RNS1
Function	Endonuclease that catalyzes the cleavage of RNA on the 3' side of pyrimidine nucleotides. Acts on single-stranded and double- stranded RNA.
Cellular Location	Secreted.
Tissue Location	Pancreas and other tissues and body fluids (indicating it may have other physiological functions besides its role in digestion)

Background

RIBONUCLEASE A FAMILY, 1(Ribonuclease pancreatic) is an enzyme that in humans is encoded by the RNASE1 gene. By genomic sequence analysis, RNASE1 gene is mapped the to chromosome 14q11.2, where it is linked to 7 other RNase A superfamily genes. Monomeric human pancreatic RNase, devoid of any biological activity other than its RNA degrading ability, was engineered into a dimeric protein with a cytotoxic action on mouse and human tumor cells, but lacking any appreciable toxicity on mouse and human normal cells. This dimeric variant of human pancreas RNase selectively sensitizes to apoptotic death cells derived from a human thyroid tumor. Because of its selectivity for tumor cells, and because of its human origin, this protein represents a potentially very attractive, novel tool for anticancer therapy.

Images



Anti-Ribonuclease A antibody, ABO10825, Western blottingAll lanes: Anti Ribonuclease A (ABO10825) at 0.5ug/mlLane 1: MCF-7 Whole Cell Lysate at 40ugLane 2: U87 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: MM231 Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugLane 7: COLO320 Whole Cell Lysate at 40ugLane 8: SW620 Whole Cell Lysate at 40ugLane 9: CEM Whole Cell Lysate at 40ugPredicted bind size: 18KDObserved bind size: 18KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.