

Rabbit RNASE1 Polyclonal Antibody | anti-RNASE1 antibody

Anti-RNASE1 Antibody Picoband

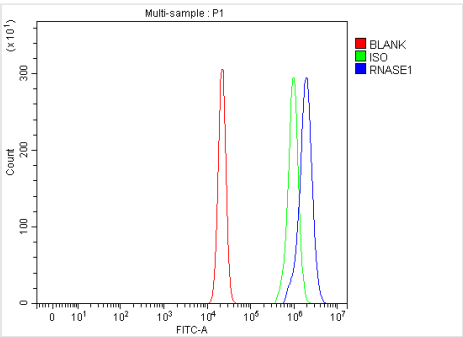
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127187	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

RNASE1; Polyclonal Antibody; Anti-RNASE1 Antibody Picoband; anti-RNASE1 antibody

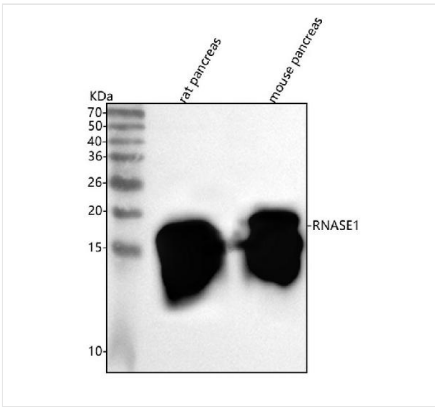
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-RNASE1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human RNASE1 recombinant protein (Position: S50-T156). Human RNASE1 shares 71.8% and 68% amino acid (aa) sequence identity with mouse and rat RNASE1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U2OS cells using anti-RNASE1 antibody (AAA127187).Overlay histogram showing U2OS cells stained with AAA127187 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-RNASE1 Antibody (AAA127187, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of RNASE1 using anti-RNASE1 antibody (AAA127187).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat pancreas tissue lysates,Lane 2: mouse pancreas tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RNASE1 antigen affinity purified polyclonal antibody (#AAA127187) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RNASE1 at approximately 18 kDa. The expected band size for RNASE1 is at 18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RNASE1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RNASE1 antibody	Primary Antibodies
References	1. Zhang, J., Dyer, K. D., Rosenberg, H. F. RNase 8, a novel RNase A superfamily ribonuclease expressed uniquely in placenta. Nucleic Acids Res. 30: 1169-1175, 2002.2. Piccoli, R., Di Gaetano, S., De Lorenzo, C., Grauso, M., Monaco, C., Spalletti-Cernia, D., Laccetti, P., Cinatl, J., Matousek, J., D'Alessio, G. A dimeric mutant of human pancreatic ribonuclease with selective cytotoxicity toward malignant cells. Proc. Nat. Acad. Sci. 96: 7768-7773, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506547
NCBI GeneID	6035
NCBI Accession #	NP_002924.1
NCBI GenBank Nucleotide #	NM_002933.5
UniProt Accession #	P07998; Q16830; Q16869; Q1KHR2; Q6ICS5; Q9UCB4; Q9UCB5; B2R589; D3DS06
Molecular Weight	17,644 Da
NCBI Official Full Name	ribonuclease pancreatic
NCBI Official Synonym Full Names	ribonuclease A family member 1, pancreatic
NCBI Official Symbol	RNASE1
NCBI Official Synonym Symbols	RAC1; RIB1; RNS1

NCBI Protein Information	ribonuclease pancreatic
UniProt Protein Name	Ribonuclease pancreatic
UniProt Gene Name	RNASE1
UniProt Synonym Gene Names	RIB1; RNS1; RNase 1; RNase A

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rnase1-antibody-western-blot-flow-cytometry-elisa/127187>