

## RNASE1

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**Reactivity:**Human Mouse

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**17kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human RNASE1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

RAC1; RIB1; RNS1;

**Catalog #:**A6202

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6035

**Isotype:**IgG

**Swiss Prot:**P07998

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a member of the pancreatic-type of secretory ribonucleases, a subset of the ribonuclease A superfamily. The encoded endonuclease cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. It prefers poly(C) as a substrate and hydrolyzes 2',3'-cyclic nucleotides, with a pH optimum near 8.0. The encoded protein is monomeric and more commonly acts to degrade ds-RNA over ss-RNA. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.

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