

## **Product Datasheet**

## RNase L/Rnasel Antibody (orb745963)

Catalog Number orb745963

**Category** Antibodies

**Description** Anti-RNase L/Rnasel Antibody. Tested in ELISA, Flow Cytometry, WB applications.

This antibody reacts with Mouse, Rat.

**Clonality** Polyclonal

Species/Host Rabbit

**Isotype** Rabbit IgG

**Conjugation** Unconjugated

**Reactivity** Mouse, Rat

Form/Appearance Lyophilized

**Concentration** Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

**Purification** Immunogen affinity purified.

**Immunogen** E.coli-derived mouse RNase L/Rnasel recombinant protein (Position: E24-S735).

UniProt ID Q05921

**MW** 83 kDa

**Tested applications** ELISA, FC, WB

**Application notes** Western blot, 0.25-0.5μg/ml, Mouse Flow Cytometry (Fixed), 1-3μg/1x106 cells,

Mouse, Rat ELISA, 0.1-0.5µg/ml, -. Add 0.2ml of distilled water will yield a

concentration of 500ug/ml

**Cross Reactivity** No cross-reactivity with other proteins.

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**Antibody Type** 

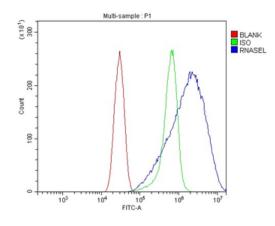
Primary Antibody

**Storage** 

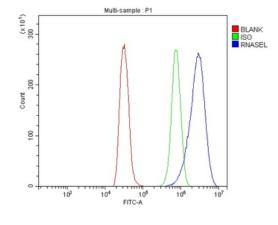
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only



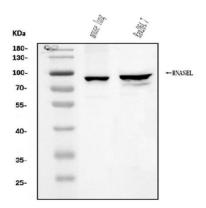
Flow Cytometry analysis of HEPA1-6 cells using anti-RNase L/Rnasel antibody. Overlay histogram showing HEPA1-6 cells (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RNase L/Rnasel Antibody (1  $\mu$ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10  $\mu$ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1  $\mu$ g/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



Flow Cytometry analysis of NRK cells using anti-RNase L/Rnasel antibody. Overlay histogram showing NRK cells (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RNase L/Rnasel Antibody (1  $\mu$ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10  $\mu$ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1  $\mu$ g/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.







Western blot analysis of RNase L/Rnasel using anti-RNase L/Rnasel antibody. 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: mouse lung tissue lysates, Lane 2: mouse Raw264.7 whole cell 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-RNase L/Rnasel antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°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 RNase L/Rnasel at approximately 83 KD. The expected band size for RNase L/Rnasel is at 83 KD.

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