

# RNase 9 (G-15): sc-165381

## BACKGROUND

Ribonucleases are ubiquitous enzymes involved in RNA metabolism and are classified in several families on the basis of their structural, catalytic and biological properties. RNase 9 (ribonuclease, RNase A family, 9 [non-active]), also known as HEL128 or ribonuclease-like protein 9, is a 205 amino acid secreted protein that belongs to the RNase A family. Unlike other RNase A family members, RNase 9 lacks ribonuclease activity. Widely expressed, RNase 9 is found at high levels in epithelium of the epididymal tubule and the post-equatorial region of the sperm head, with greater expression found in men than boys. The gene encoding RNase 9 maps to human chromosome 14q11.2 and mouse chromosome 14 C1.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Rnase9 (mouse) mapping to 14 C1.

## SOURCE

RNase 9 (G-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of RNase 9 of mouse origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-165381 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

RNase 9 (G-15) is recommended for detection of RNase 9 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other RNase family members.

Suitable for use as control antibody for RNase 9 siRNA (m): sc-152993, RNase 9 shRNA Plasmid (m): sc-152993-SH and RNase 9 shRNA (m) Lentiviral Particles: sc-152993-V.

Molecular Weight of RNase 9: 24 kDa.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.