

# Anti-Rat ApoA1 Polyclonal Antibody

**CATALOG #:** 5695-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**IMMUNOGEN:** *E. coli* expressed recombinant rat ApoA1 (Internal ID# BV-F15G)

**HOST:** Rabbit

**SPECIES REACTIVITY:** Rat

## FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-rat A1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.01% thimerosal.

## STORAGE CONDITIONS:

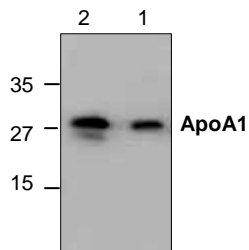
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

## DESCRIPTION:

ApoA1 is a 29.0 kDa protein produced in the liver and intestine, and secreted as the predominant constituent of nascent high-density lipoprotein (HDL) particle. ApoA1 which is found exclusively in HDL has a unique ability to capture and solubilize free cholesterol. This ApoA-I ability enables HDL to remove excess peripheral cholesterol and return it to the liver for recycling and excretion. This process, called reverse cholesterol transport, is thought to inhibit atherogenesis. For this reason HDL is also known as the "good cholesterol." The therapeutic potential of apoA-I has been recently assessed in patients with acute coronary syndromes, using a recombinant form of a naturally occurring variant of ApoA-I (called ApoA1 Milano). Rat ApoA1 is a 27.4 kDa protein of 235 amino acid residues.

## APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). Recombinant rat ApoA1 (Cat.#: 4695-100) can be used as a positive control. However, the optimal conditions should be determined individually. Other applications have not been determined.



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Western blot analysis of ApoA1 with recombinant rat ApoA1.

Lane 1: 10 ng  
Lane 2: 50 ng

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