

## Product datasheet for **BP2052**

### Apolipoprotein A I / APO AI Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, Ie, RID, WB
Recommended Dilution:	<b>Radial Immunodiffusion.</b> <b>Immuno Double-Diffusion.</b> <b>Rocket IEP.</b> <b>Western blot (Immunoblotting).</b>
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Purified Mouse Apolipoprotein AI from mouse plasma high density lipoprotein.
Specificity:	This antibody is specific for Mouse Apolipoprotein A1 (Apo A1). Extremely low recognition of Human Apo A1.
Formulation:	State: Serum State: Liquid Neat Serum (heat inactivated and 0.22µm filtered) Preservative: 0.025% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein A-I
Database Link:	<a href="#">Entrez Gene 11806 Mouse</a> <a href="#">Q00623</a>



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**Background:**

Apolipoprotein A I promotes cholesterol efflux from tissues to the liver for excretion. Apolipoprotein A I is the major protein component of high density lipoprotein (HDL) in the plasma. Synthesized in the liver and small intestine, it consists of two identical chains of 77 amino acids; an 18 amino acid signal peptide is removed co-translationally and a 6 amino acid propeptide is cleaved post-translationally. Apolipoprotein A I is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the Apolipoprotein A I gene are associated with HDL deficiency and Tangier disease.

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. The availability of recombinant normal apoA-I should facilitate further investigation into the potential usefulness of apoA-I in preventing atherosclerotic vascular diseases.

**Synonyms:**

APOA1, ApoA-I, Apo-AI, ApoAI