

Product datasheet for **AP23390PU-N**

Apolipoprotein A I (APOA1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminal of human APOA1
Specificity:	This antibody detects Apolipoprotein A I (APO AI) (N-term). No cross reactivity with other proteins.
Formulation:	5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05 mg Sodium Azide State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	Restore in 0.2 ml distilled water to a concentration of 0.5 mg/ml
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein A1
Database Link:	Entrez Gene 11806 Mouse Entrez Gene 25081 Rat Entrez Gene 335 Human P02647



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Background:

Apolipoprotein A-1, also known as APOA1, is a human protein with a specific role in lipid metabolism. It binds to lipopolysaccharide or endotoxin, and has a major role in the anti-endotoxin function of HDL. The gene is mapped to 11q23. And it is a single polypeptide chain with 243 amino acid residues of known primary amino acid sequence. The ApoA-I protein promotes cholesterol efflux from tissues to the liver for excretion. It is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. ApoA-I was also isolated as a prostacyclin (PGI₂) stabilizing factor, and thus may have an anticlotting effect. Defects in the gene encoding it are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Additionally, ApoA-I overexpression promotes macrophage-specific reverse cholesterol transport.

Synonyms:

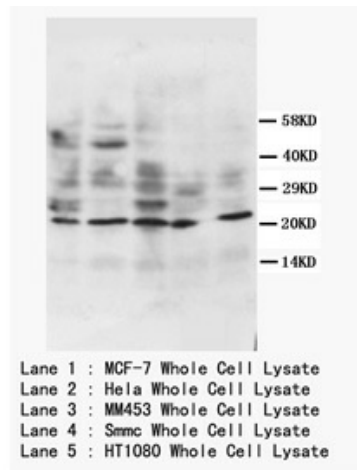
APOA1, ApoA-I, Apo-AI, ApoAI

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

PPAR signaling pathway

Product images:

Western blot with APOA1 Polyclonal Antibody