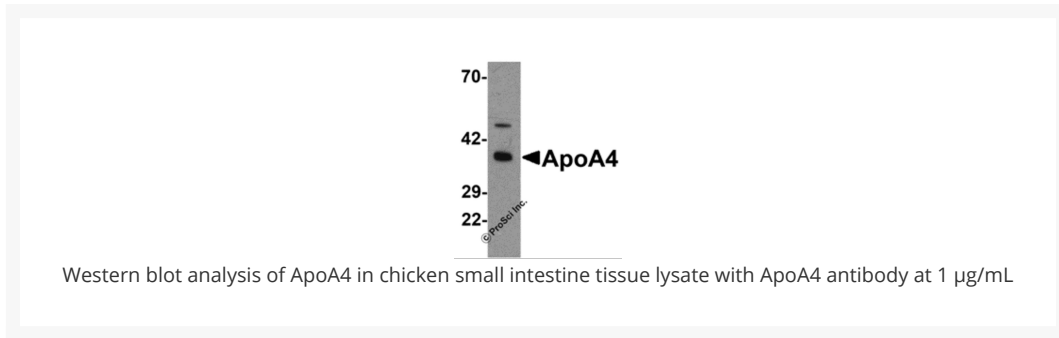




ApoA4 Antibody

Cat. No.: 6269



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Chicken, Human
IMMUNOGEN:	ApoA4 antibody was raised against a 20 amino acid synthetic peptide near the carboxy terminus of chicken ApoA4. The immunogen is located within the last 50 amino acids of ApoA4.
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ApoA4 antibody can be used for detection of ApoA4 by Western blot at 1 µg/mL. Antibody validated: Western Blot in chicken samples. All other applications and species not yet tested.
POSITIVE CONTROL:	1) Chicken Small Intestine Lysate

Ψ Properties

PURIFICATION:	ApoA4 Antibody is affinity chromatography purified via peptide column.
CLONALITY:	Polyclonal
ISOTYPE:	IgG

CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	ApoA4 Antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	ApoA4 antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Additional Info

OFFICIAL SYMBOL:	APOA4
ALTERNATE NAMES:	ApoA4 Antibody; Apolipoprotein A-IV, Apolipoprotein A4, Apo-AIV
ACCESSION NO.:	NP_990269
PROTEIN GI NO.:	71773110
GENE ID:	337
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	ApoA4 Antibody: Apolipoprotein A4 (also known as ApoA-IV) is a plasma protein that is O-linked glycoprotein after proteolytic processing. ApoA4 is a major constituent of HDL and it also can be found on the surface of newly synthesized chylomicrons. The physiological function of ApoA4 is not completely identified so far, but several evidences from vitro studies indicate that this apolipoprotein involves in several steps of the reverse cholesterol transport pathway, which transports cholesterol from peripheral cells back to the liver.
REFERENCES:	1) Karathanasis SK, Oettgen P, Haddad IA, et al. Structure, evolution, and polymorphisms of the human apolipoprotein A4 gene (APOA4). Proc. Natl. Acad. Sci. 1986; 83:8457-61
	2) Kamboh MI, Friedlaender JS, Ahn YI et al. A common deletion polymorphism in the apolipoprotein A4 gene and tis significance in lipid metabolism. Arterioscler. Thromb. 1994; 14:656-62.
	3) Kronenberg F, Stuhlinger M, Trenkwalder E, et al. Low apolipoprotein A-IV plasma concentrations in men with coronary artery disease. J. Am. Coll. Cardiol., 2000; 36:751-7
	4) Von Eckardstein A, Huang Y, Wu S, et al. Lipoproteins containing apolipoprotein A-IV but not apolipoprotein A-I take up and esterify cell-derived cholesterol in plasma. Arterioscler Thromb Vasc Biol. 1995; 15:1755-63.

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