

AP16411PU-N**Polyclonal Antibody to Apolipoprotein J / Apo J - Aff - Purified****Alternate names:**

40, 40, AAG4, APOJ, Aging-associated gene 4 protein, CLI, Clusterin, Complement cytolysis inhibitor, Complement-associated protein SP-40, KUB1, Ku70-binding protein 1, NA1/NA2, SP-40, Testosterone-repressed prostate message 2

Quantity:

0.1 mg

Concentration:

0,5 mg/ml

Background:

At least 9 distinct polymorphic forms of apolipoproteins are known. The apolipoproteins act as stabilizers of the intact lipoprotein particles. Quantitative measurements of HDL, LDL and VLDL particles in human serum are often used to estimate an individual's relative risk of coronary heart disease. In addition, quantitative immunological measurements of certain apolipoproteins (especially A-1 and B) have been suggested to be more accurate estimators of coronary heart disease than measurements of lipoprotein particles (especially HDL and LDL). Apolipoprotein J is the major secreted product of Sertoli cells and is thought to play a critical role in spermatogenesis. The protein was shown to be a normal constituent of human blood and is also thought to be a control mechanism of the complement cascade. It prevents the binding of a C5b-C7 complex to the membrane of the target cell and in this way inhibits complement-mediated cytolysis. Apolipoprotein J is overexpressed in human prostate and breast cancers and in squamous cell carcinomas. Suppression of Apolipoprotein J renders these cells sensitive to chemotherapeutic drug-mediated apoptosis. It has been proposed that elevated levels of Apolipoprotein J may promote oncogenic transformation and tumor progression by interfering with BAX proapoptotic activities.

Uniprot ID:

[P10909](#)

NCBI:

[9606](#)

GeneID:

[1191](#)

Host:

Goat

Immunogen:

Peptide with sequence C-EKALQEYRKKHREE, from the C Terminus of the protein sequence

Format:

State: Liquid purified Ig

Purification: Affinity chromatography

Buffer System: Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Applications:

Peptide ELISA: 1/32000.

Western Blot: 0.3 - 1.0 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to Apolipoprotein J (Apo J).

Species Reactivity:

Tested: Human.

Expected from sequence similarity: Canine.

- Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.
- General Readings:** Xie D, Lau SH, Sham JS, Wu QL, Fang Y, Liang LZ, Che LH, Zeng YX, Guan XY. Up-regulated expression of cytoplasmic clusterin in human ovarian carcinoma. *Cancer*. 2005 Jan 15;103(2):277-83.
- Pictures:** TA303058 (0.3µg/ml) staining of human colon lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

