

Polyclonal Antibody to Apolipoprotein J / Apo J (N-term) - Serum

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
Catalog No.:	BP5023
Quantity:	0.25 ml
Background:	Clusterin is a secreted glycoprotein found in many biological fluids. It is believed to protect cell membranes from damage, to participate in wound-repair processes, and its expression might be related to tissue remodeling after cell death. Clusterin is found in many organs, elevated levels are found in the CNS under some neuropathological conditions, such as Alzheimers disease, where it is associated with amyloid-beta plaques.
Uniprot ID:	P10909
NCBI:	NP_976084.1
GeneID:	1191
Host:	Rabbit
Immunogen:	Synthetic Human clusterin peptide (N-terminal sequence DRIDSLENDRQQTH, coupled to KLH)
Format:	State: Liquid Serum
Applications:	Immunoblotting: 1/500 (using ECL method). <i>Positive Control:</i> Human Serum or HDL fraction. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Specific for the beta-chain of the a-subunit, according to Debure et al (Ref.1.) Detects the 43 kD band of Human Clusterin under reduced conditions. Species: Human. Other species not tested.
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:	1. Bajari TM, Strasser V, Nimpf J, Schneider WJ. A model for modulation of leptin activity by association with clusterin. FASEB J. 2003 Aug;17(11):1505-7. Epub 2003 Jun 3. PubMed PMID: 12824284. 2. Debure L, Vayssiere JL, Rincheval V, Loison F, Le Drean Y, Michel D. Intracellular clusterin causes juxtannuclear aggregate formation and mitochondrial alteration. J Cell Sci. 2003 Aug 1;116(Pt 15):3109-21. Epub 2003 Jun 10. PubMed PMID: 12799419.

3. Ishikawa Y, Akasaka Y, Ishii T, Komiyama K, Masuda S, Asuwa N, et al. Distribution and synthesis of apolipoprotein J in the atherosclerotic aorta. *Arterioscler Thromb Vasc Biol.* 1998 Apr;18(4):665-72. PubMed PMID: 9555874.
4. Mackness B, Hunt R, Durrington PN, Mackness MI. Increased immunolocalization of paraoxonase, clusterin, and apolipoprotein A-I in the human artery wall with the progression of atherosclerosis. *Arterioscler Thromb Vasc Biol.* 1997 Jul;17(7):1233-8. PubMed PMID: 9261251.
5. Michel D, Moyses E, Trembleau A, Jourdan F, Brun G. Clusterin/ApoJ expression is associated with neuronal apoptosis in the olfactory mucosa of the adult mouse. *J Cell Sci.* 1997 Jul;110 (Pt 14):1635-45. PubMed PMID: 9247197.