M057305

CLU Antibody

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☐ 50ul
☐ 100 uL

Description:

Functions as extracellular chaperone that prevents aggregation of non native proteins. Prevents stress-induced aggregation of blood plasma proteins. Inhibits formation of amyloid fibrils by APP, APOC2, B2M, CALCA, CSN3, SNCA and aggregation-prone LYZ variants (in vitro). Does not require ATP. Maintains partially unfolded proteins in a state appropriate for subsequent refolding by other chaperones, such as HSPA8/HSC70. Does not refold proteins by itself. Binding to cell surface receptors triggers internalization of the chaperone-client complex and subsequent lysosomal or proteasomal degradation. Protects cells against apoptosis and against cytolysis by complement. Intracellular forms interact with ubiquitin and SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes and promote the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes proteasomal degradation of COMMD1 and IKBKB. Modulates NF-kappa-B transcriptional activity. A mitochondrial form suppresses BAX-dependent release of cytochrome c into the cytoplasm and inhibit apoptosis. Plays a role in the regulation of cell proliferation. An intracellular form suppresses stress-induced apoptosis by stabilizing mitochondrial membrane integrity through interaction with HSPA5. Secreted form does not affect caspase or BAX-mediated intrinsic apoptosis and TNF-induced NF-kappa-B-activity. Secreted form act as an important modulator during neuronal differentiation through interaction with STMN3 (By similarity). Plays a role in the clearance of immune complexes that arise during cell injury (By similarity).Does not affect caspase or BAX-mediated intrinsic apoptosis and TNF-induced NF-kappa-B-activity.Does not affect caspase or BAX-mediated intrinsic apoptosis and TNF-induced NF-kappa-B-activity. Promotes cell death through interaction with BCL2L1 that releases and activates BAX.

Uniprot : P10909

Alternative Names:

40; AAG 4; AAG4; Aging associated protein 4; Aging-associated gene 4 protein; AI893575; APO J; Apo-J; APOJ; ApoJalpha; ApoJbeta; Apolipoprotein J; ApolipoproteinJ; CLI; CLU; CLU1; CLU2; CLUS_HUMAN; Clusterin alpha chain; Clusterin; Clusterin beta chain; Complement associated protein SP 40 40; Complement associated protein SP 40; Complement associated protein SP40; Complement cytolysis inhibitor a chain; Complement cytolysis inhibitor; Complement cytolysis inhibitor b chain; Complement lysis inhibitor; Complement-associated protein SP-40; D14Ucla3; Dimeric acid glycoprotein; Glycoprotein 80; Glycoprotein III; GP80; Ku70-binding protein 1; KUB 1; KUB1; MGC24903; NA1/NA2; RATTRPM2B; SGP 2; SGP2; SP 40; SP40; Sugp-2; Sulfated glycoprotein 2; Testosterone repressed prostate message 2; Testosterone-repressed prostate message 2; TRPM 2; TRPM-2; TRPM2; TRPM2B; Trpmb;

Reactivity : Human

Source： Mouse monoclonal

Mol.Wt.： 52kDa

Storage Condition ： Store at -20 °C. Stable for 12 months from date of receipt.

Application ： WB 1:500-1:2000