

产品名称: Clusterin (16Y5) Rabbit Monoclonal Antibody
产品货号: AMRe09072



产品概述 (Summary)

产品名称 (Production Name)	Clusterin (16Y5) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,IF-P
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CLU
别名 (Alternative Names)	CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40;TRPM2; TRPM-2; NA1/NA2;
基因 ID (Gene ID)	1191.0
蛋白 ID (SwissProt ID)	P10909.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,IF-P 1:100-1:500
蛋白分子量 (Molecular Weight)	52kDa

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研究背景 (Background)

Clusterin (CLU, apolipoprotein J) is a multifunctional glycoprotein that is expressed ubiquitously in most tissues. Clusterin functions as a secreted chaperone protein that interacts with and stabilizes stress-induced proteins to prevent their precipitation. Research studies show that clusterin plays a protective role in Alzheimer's disease by sequestering amyloid β (1-40) peptides to form long-lived, stable complexes, which prevents amyloid fibril formation. [Isoform 1]: Functions as extracellular chaperone that prevents aggregation of non native proteins (PubMed: [11123922](http://www.uniprot.org/citations/11123922), PubMed: [19535339](http://www.uniprot.org/citations/19535339)). Prevents stress-induced aggregation of blood plasma proteins (PubMed: [11123922](http://www.uniprot.org/citations/11123922), PubMed: [12176985](http://www.uniprot.org/citations/12176985), PubMed: [17260971](http://www.uniprot.org/citations/17260971), PubMed: [19996109](http://www.uniprot.org/citations/19996109)). Inhibits formation of amyloid fibrils by APP, APOC2, B2M, CALCA, CSN3, SNCA and aggregation-prone LYZ variants (in vitro) (PubMed: [12047389](http://www.uniprot.org/citations/12047389), PubMed: [17412999](http://www.uniprot.org/citations/17412999), PubMed: [17407782](http://www.uniprot.org/citations/17407782)). Does not require ATP (PubMed: [11123922](http://www.uniprot.org/citations/11123922)). Maintains partially unfolded proteins in a state appropriate for subsequent refolding by other chaperones, such as HSPA8/HSC70 (PubMed: [11123922](http://www.uniprot.org/citations/11123922)). Does not refold proteins by itself (PubMed: [11123922](http://www.uniprot.org/citations/11123922)). Binding to cell surface receptors triggers internalization of the chaperone-client complex and subsequent lysosomal or proteasomal degradation (PubMed: [21505792](http://www.uniprot.org/citations/21505792)). Protects cells against apoptosis and against cytolysis by complement (PubMed: [2780565](http://www.uniprot.org/citations/2780565)). 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 (PubMed: [20068069](http://www.uniprot.org/citations/20068069)). Promotes proteasomal degradation of COMMD1 and IKBKB (PubMed: [20068069](http://www.uniprot.org/citations/20068069)). Modulates NF-kappa-B transcriptional activity (PubMed: [12882985](http://www.uniprot.org/citations/12882985)). A mitochondrial form suppresses BAX-dependent release of cytochrome c into the cytoplasm and inhibit apoptosis (PubMed: [16113678](http://www.uniprot.org/citations/16113678), PubMed: [17689225](http://www.uniprot.org/citations/17689225)). Plays a role in the regulation of cell proliferation (PubMed: [19137541](http://www.uniprot.org/citations/19137541)). An intracellular form suppresses stress-induced apoptosis by stabilizing mitochondrial membrane integrity through interaction with HSPA5 (PubMed: [22689054](http://www.uniprot.org/citations/22689054)). Secreted form does not affect caspase or BAX-mediated intrinsic apoptosis and TNF-induced NF-kappa-B-activity (PubMed: [11123922](http://www.uniprot.org/citations/11123922)).

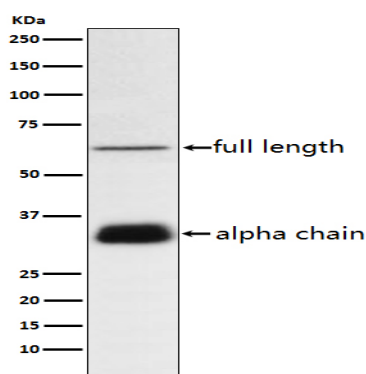
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<http://www.uniprot.org/citations/24073260>). Secreted form act as an important modulator during neuronal differentiation through interaction with STMN3 (By similarity). Plays a role in the clearance of immune complexes that arise during cell injury (By similarity).

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of Clusterin expression in human plasma lysate.

注意事项 (Note)

For research use only .