

Mouse anti-Human Clusterin/Apolipoprotein J (APO-J) Monoclonal Antibody | anti-CLU antibody

Clusterin/Apolipoprotein J (APO-J) Mouse Monoclonal Antibody [Clone CLU/4731]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215553	Mouse	Human	Immunohistochemistry, Western Blot

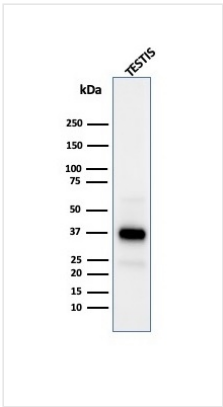
PRODUCT SYNONYMS

Clusterin/Apolipoprotein J (APO-J); Monoclonal Antibody; Clusterin/Apolipoprotein J (APO-J) Mouse Monoclonal Antibody [Clone CLU/4731]; Aging associated protein 4; Apolipoprotein J; CLU1; CLU2; Clusterin alpha/beta chain; Complement associated protein SP40; Complement cytolysis inhibitor a chain; NA1/NA2; D14Ucla3; Dimeric acid glycoprotein; GP80; Ku70-binding protein 1 (KUB1); Sulfated glycoprotein 2 (SGP2); Testosterone repressed prostate message 2 (TPRM2B); anti-CLU antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2a, kappa
Clone Number	CLU/4731
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CLU antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fragment (around aa150-300) of human CLU protein (exact sequence is proprietary)
Cellular Localization	Secreted. Can retrotranslocate from secretory compartments to cytosol upon cellular stress and Nucleus, Cytoplasm, Mitochondrion membrane, Cytoplasm, cytosol, Microsome, Endoplasmic reticulum, Cytopla
Positive Control	Human pancreas, tonsil or cervix.
Hu-chromosome Location	8p21.1
Unigene	436657
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



WB (Western Blot)
Western Blot Analysis of human tissue lysate using Clusterin/APOJ Mouse Monoclonal Antibody (CLU/4731).

ADDITIONAL INFORMATION

Related Product Information for anti-CLU antibody	Clusterin, also designated complement lysis inhibitor (CLI), apolipoprotein J (APOJ), sulfated glycoprotein 2 (SGP2), SP40 and testosterone-repressed prostate message 2 (TRPM2), is a secretory, heterodimeric glycoprotein that influences immune regulation, cell adhesion, transformation, lipid transportation, tissue remodeling, membrane recycling and cell-cell interactions. Clusterin is synthesized as a 449 amino acid polypeptide that is post-translationally cleaved at an internal bond between Arg 227 and Ser 228. Two subunits, alpha and beta, are associated through disulfide bonds. The beta subunit (also called ApoJalpha) corresponds to residues 23-227. The alpha subunit (also called ApoJbeta) corresponds to residues 228-449. Overexpression of Clusterin appears to be more common in late stages of mammary tumor progression. Clusterin markedly influences beta-Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer s pathogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	355594753
NCBI GeneID	1191
NCBI Accession #	NP_001822.3
NCBI GenBank Nucleotide #	NM_001831.3
UniProt Accession #	P10909; P11380; P11381; Q2TU75; Q5HYC1; Q7Z5B9; B2R9Q1; B3KSE6; AAB25217
Molecular Weight	52,495 Da
NCBI Official Full Name	clusterin preproprotein
NCBI Official Synonym Full Names	clusterin
NCBI Official Symbol	CLU
NCBI Official Synonym Symbols	CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2
NCBI Protein Information	clusterin; apolipoprotein J; ku70-binding protein 1; sulfated glycoprotein 2; aging-associated protein 4; complement lysis inhibitor; complement cytolysis inhibitor; complement-associated protein SP-40,40; testosterone-repressed prostate message 2
UniProt Protein Name	Clusterin
UniProt Gene Name	CLU
UniProt Synonym Gene Names	APOJ; CLI; KUB1; Apo-J; CLI; TRPM-2
UniProt Entry Name	CLUS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/clusterin-apolipoprotein-j-apo-j-antibody-clone-clu-4731-immunohistochemistry-western-blot-elisa/215553>