Mouse anti-Human Clusterin Monoclonal Antibody | anti-CLU antibody

Clusterin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48000	**Mouse**	**Human**	**Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

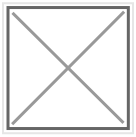
PRODUCT SYNONYMS

Clusterin; Monoclonal Antibody; Clusterin antibody; ApoJ; clusterin (complement lysis inhibitor SP-40; 40; sulfated glycoprotein 2 testosterone-repressed prostate message 2 apolipoprotein J); SGP-2; SP-40; TRPM-2; KUB1; complement lysis inhibitor; ulfated glycoprotein 2; testosterone-repressed prostate message 2; apolipoprotein J; anti-CLU antibody

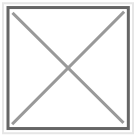
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	1A11
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	449
Applicable Applications for anti-CLU antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Clusterin (1-333aa) purified from E. coli
Clone Note	Anti-human Clusterin mAb, clone 1A11, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Clusterin protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

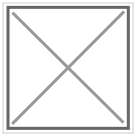
IMAGES



IF (Immunofluorescence)
ICC/IF analysis of Clusterin in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human Clusterin antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



IHC (Immunohiostchemistry)
Paraffin embedded sections of human renal cell carcinoma tissue were incubated with anti-human Clusterin (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB



WB (Western Blot)
Cell lysates of U87MG (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Clusterin (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-CLU antibody	Clusterin has been implicated in numerous processes including active cell death, immune regulation, cell adhesion and morphological transformation. Clusterin (previousiy named SP-40) is a glycoprotein, 80kDa comprising two distinct 40kDa polypeptide chains. It shows marked similarity, both physicochemically and in immunohistological distribution, to the single chain, 80kDa, Sprotein, an additional component of the SC5b-9 complex. Clusterin is a secreted glycoprotein of which the exact function remains a matter for speculation.
Product Categories/Family for anti-CLU antibody	Immunology
References	Maximino R et al., (2000) Am J Pathol 157 (2):393-399; Ingrid C.G et al., (1998) Biochem J 331:231-237; Maximino R et al., (1990) J Clin Invest 85:1477-1486; Fabien L et al., (2006) Biochem J 395 (1):223-231

NCBI AND UNIPROT INFORMATION

NCBI GI #	355594753
NCBI GeneID	1191
NCBI Accession #	NP_001822.3
NCBI GenBank Nucleotide #	NM_203339
UniProt Accession #	P10909; P11380; P11381; Q2TU75; Q5HYC1; Q7Z5B9; B2R9Q1; B3KSE6
Molecular Weight	53,643 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
UniProt Protein Name	Clusterin
UniProt Gene Name	**CLU**
UniProt Synonym Gene Names	APOJ; CLI; KUB1; Apo-J; CLI; TRPM-2

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-antibody-clone-1a11-immunohistochemistry-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48000