



Anti-CLU (C-terminal) polyclonal antibody (CPBT-65357GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product specifically recognises an epitope within the C-terminal (CT) region of human clusterin, otherwise known as Apolipoprotein J, a ubiquitously expressed glycoprotein and member of the clusterin family, implicated in apoptosis (programmed cell death), cell-cell adhesion, DNA repair, membrane recycling, spermatogenesis, and the inhibition of complement-mediated cell lysis. Clusterin is a component of the SC5b-9 complex which plays a role in inhibiting the complement cascade, through the prevention of the binding of a C5b-C7 complex to the membrane of the target cell. Clusterin exists as both a pro-apoptotic form localised to the nucleus, and a pro-survival secreted form, and has been detected at elevated levels in Alzheimer's disease, atherosclerosis, myocardial infarction, and various cancers, including bladder, prostate, and breast tumours. Western Blotting detects a band of approximately 35-37kDa in human colon, kidney and prostate cell lysates.

Specificity	CLU
Immunogen	Synthetic peptide sequence C-EKALQEYRKHKHREE from the C-Terminal region of clusterin
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human, Dog
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg

Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CLU clusterin [Homo sapiens (human)]
Official Symbol	CLU
Synonyms	CLU; clusterin; CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2; apolipoprotein J; ku70-binding protein 1; sulfated glycoprotein 2; aging-associated protein 4; complement lysis inhibitor; complement cytolysis inhibitor
Entrez Gene ID	1191
Protein Refseq	NP_001822
UniProt ID	P10909
Chromosome Location	8p21-p12
Pathway	Hemostasis; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺ ; Validated targets of C-MYC transcriptional repression;
Function	NOT ATPase activity; misfolded protein binding; protein binding; ubiquitin protein ligase binding;