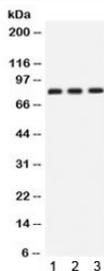


## CLU Antibody / Clusterin / Apolipoprotein J / APO-J (R31938)

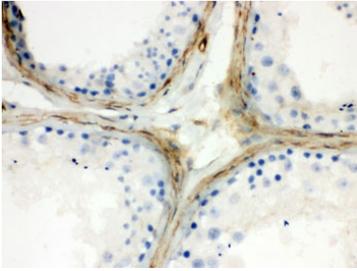
Catalog No.	Formulation	Size
R31938	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P10909
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
<b>Limitations</b>	This CLU antibody is available for research use only.



Western blot testing of human 1) SKOV, 2) U87 and 3) PANC cell lysate with CLU antibody. Predicted molecular weight: 75-80 kDa (heterodimer precursor), 36-39 kDa (alpha subunit), 34-36 kDa (beta subunit).



IHC testing of FFPE human testis with CLU antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

## Description

Clusterin (apolipoprotein J) is a 75 - 80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis. In humans, clusterin is encoded by the CLU gene. This protein has several synonyms: dimeric acidic glycoprotein (DAG protein), testosterone repressed prostate message-2 (TRPM-2), sulfated glycoprotein-2 (SGP-2) and complement lysis inhibitor (CLI). Clusterin was mapped to mouse chromosome 14. Clusterin is a ubiquitously expressed molecule thought to influence a variety of processes including cell death. In the brain, it accumulates in dying neurons following seizures and hypoxic-ischemic (H-I) injury. clusterin may be a new therapeutic target to modulate non-caspase-dependent neuronal death following acute brain injury.

## Application Notes

Optimal dilution of the CLU antibody should be determined by the researcher.

## Immunogen

Amino acids 228-449 of human Clusterin/Apolipoprotein J were used as the immunogen for the CLU antibody.

## Storage

After reconstitution, the CLU antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.