For Research Use Only

Rat Clusterin Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:88439-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
88439-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG9471

GenBank Accession Number:
\

GeneID (NCBI):
24854

UNIPROT ID:
P05371

Full Name:
clusterin

Calculated MW:
51 kDa

Observed MW:
35-40 kDa

Purification Method:
Protein A purification

CloneNo.:
261054H7

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
mouse, rat

Product Information

88439-1-PBS targets Clusterin as part of a matched antibody pair:

MP03548-1: 88439-3-PBS capture and 88439-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

Clusterin (Apolipoprotein J) is a 75-80 kDa heterodimeric glycoprotein produced by a wide array of tissues and found in most biologic fluids (PMID: 7648419; 11906815). It is encoded by one single gene and cleaved posttranslationally into α (34-36 kDa) and β (36-39 kDa) subunits prior to secretion from the cell. Many functions have been described for clusterin, including regulating apoptosis, transporting lipids, controlling cell interactions, regulating complement (PMID: 10694874).

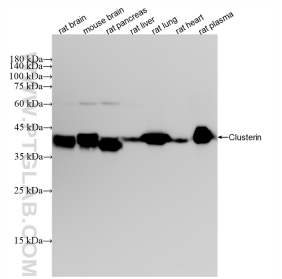
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

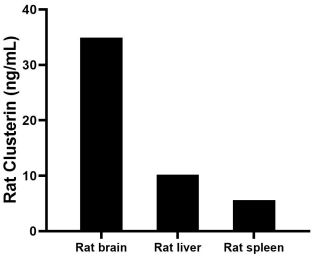
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

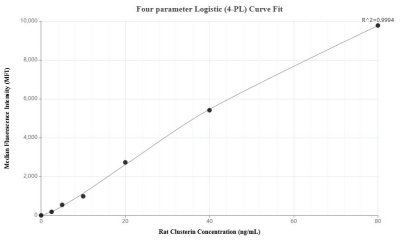
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88439-1-RR (Clusterin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88439-1-PBS in a different storage buffer formulation.



The mean Clusterin concentration was determined to be 34.9 ng/mL in rat brain tissue extract based on a 1.0 mg/mL extract load, 10.2 ng/mL in rat liver tissue extract based on a 1.0 mg/mL extract load, 5.6 ng/mL in rat spleen tissue extract based on a 1.0 mg/mL extract load.



Cytometric bead array standard curve of MP03548-1, RAT Clusterin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88439-3-PBS. Detection antibody: 88439-1-PBS. Standard: Eg9471. Range: 2.5-80 ng/mL.