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Recombinant Clusterin beta Chain Monoclonal Antibody

catalog number: AN301900L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Rat; Mouse

Immunogen Recombinant human Clusterin beta Chain fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A616

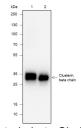
Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:500-1:1000

Data



Western Blot with Clusterin beta Chain Monoclonal Antibody at dilution of 1:1000. Lane 1: Mouse serum, Lane 2: Rat serum

Observed-MW:35 kDa Calculated-MW:52 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Clusterin (CLU) also named as apolipoprotein J, is a multifunctional glycoprotein that is expressed ubiquitously in most tissues. Clusterin functions as a secreted chaperone protein that interacts with and stabilizes stress-induced proteins to prevent their precipitation. Research studies show that clusterin plays a protective role in Alzheimer's disease by sequestering amyloid β (1-40) peptides to form long-lived, stable complexes, which prevents amyloid fibril formation. In addition to the secreted protein, several intracellular isoforms are localized to the nucleus, mitochondria, cytoplasm and ER. The subcellular distribution of these multiple isoforms leads to the diversity of clusterin functions. Additional studies report that clusterin is involved in membrane recycling, cell adhesion, cell proliferation, apoptosis, and tumor survival.

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