Datasheet for ABIN94264

anti-Clusterin antibody

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	Clusterin (CLU)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Clusterin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Anti-Clusterin Purified
Immunogen:	Freshly ejaculated human sperms were washed in PBS and extracted in 3% acetic acid, 10% glycerol, 30 mM benzaminidine. The acid extract was dialyzed against 0.2% acetic acid and subsequently used for immunization.
Clone:	Hs-3
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody Hs-3 recognizes human clusterin (apolipoprotein J), a conserved secreted glycoprotein.
No Cross-Reactivity:	Cat, Cow, Dog, Pig
Cross-Reactivity (Details):	Human

Product Details

Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	Clusterin (CLU)
Alternative Name:	Clusterin (CLU Products)
Background:	Clusterin,Clusterin (APO J, SGP-2, TRPM-2, SP-40, pADHC-9, CLJ, T64, GP III, XIP8) is a 75-80 kD disulfide-linked heterodimeric protein containing about 30 % of N-linked carbohydrate rich in sialic acid but truncated forms targeted to the nucleus have also been identified. It is a conserved secreted glycoprotein expressed by a wide range of tissues and being implicated in many physiological processes, including e.g. lipid transportation, complement inhibition, tissue remodeling, membrane recycling, or clearence of cellular debris. It is nearly ubiqitously expressed in most mammalian tissues and can be found in plasma, milk, urine, cerebrospinal fluid and semen. Clusterin is able to bind and form complexes with numerous partners (immunoglobulins, lipids, heparin, bacteria, complement components, paraoxonase, beta amyloid, leptin etc.) and is expressed in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others. A genuine function of clusterin is still enigmatic.,Complement-associated protein SP-40, Complement cytolysis inhibitor, CLI, CLU, NA1/NA2, Apolipoprotein J, Apo-J, TRPM-2, KBP1, KUB1, CLI, AAG4, APOJ, SGP2
Gene ID:	1191
UniProt:	P10909
Pathways:	Apoptosis, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL, positive tissue: Sertoli cells. Western blotting: Recommended dilution: 1 µg/mL, positive material: seminal plasma.
Restrictions:	For Research Use only

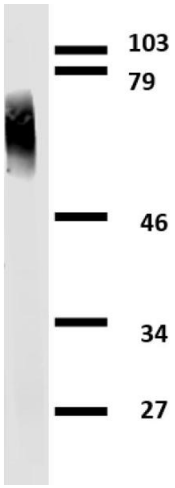
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Capková, Geussová, Peknicová: "New monoclonal antibody to human apolipoprotein J." in: **Folia biologica**, Vol. 48, Issue 1, pp. 40-2, (2002) (PubMed).

Images



Western Blotting

Image 1. Western blotting analysis of human clusterin using mouse monoclonal antibody Hs-3 on lysates of MCF-7 cell line and MOLT-4 cell line (clusterin non-expressing cell line, negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/mL of mouse anti-clusterin monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. Clusterin was detected around 40 kDa.