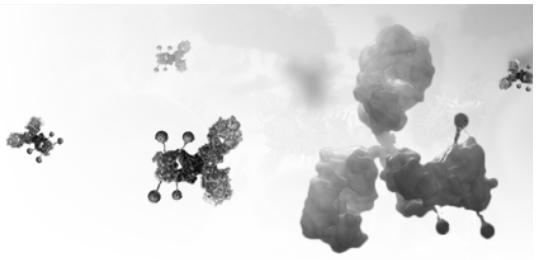

Mouse Anti-Human ACBD6 monoclonal antibody, clone NN10 (CABT-ZB903)

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

PRODUCT INFORMATION

Specificity	It reacts with Human ACBD6 It has no cross-reactivity in ELISA with Insect cell lysate.
Target	ACBD6
Immunogen	Recombinant Human ACBD6 protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN10
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA, ELISA(det), IP We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB540 - CABT-ZB903 This antibody will detect ACBD6 in antibody pair set. [ABPR-ZB116]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human ACBD6. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography .
Format	Purified, Liquid

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Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Human acyl-coenzyme A binding domain-containing member 6 (ACBD6) is a modular protein that carries an acyl-CoA binding domain at its N terminus and two ankyrin motifs at its C terminus. In mammals, there are six members of the acyl-CoA binding domain-containing (ACBD) family, and their annotation is not uniform. All six ACBD proteins contain an ACB domain at the N terminus, but they do not share significant homology at the C-terminal region. ACBD6 is a 32 kDa protein that is predicted by sequence analysis to carry an ACB domain between residues 42 and 125 and two ANK motifs at its C terminus. This protein binds long-chain acyl-CoAs with a strong preference for unsaturated, C18:1-CoA and C20:4-CoA, over saturated, C16:0-CoA, acyl species. ACBD6 is not a ubiquitous protein, but it is expressed in hematopoietic tissues and appears to be restricted to primitive stem cells present in those tissues with functions in blood and vessel development. ACBD6 was detected in bone marrow, spleen, placenta, cord blood, circulating CD34+ progenitors, and embryonic-like stem cells derived from placenta. In placenta, the protein was only detected in CD34+ progenitor cells present in blood and CD31+ endothelial cells surrounding the blood vessels. These cells were also positive for the marker CD133, and they probably constitute hemangiogenic stem cells, precursors of both blood and vessels. We propose that human ACBD6 represents a cellular marker for primitive progenitor cells with functions in hematopoiesis and vascular endothelium development.
Keywords	ACBD6; acyl-CoA binding domain containing 6; acyl Coenzyme A binding domain containing 6; acyl-CoA-binding domain-containing protein 6

GENE INFORMATION

Synonyms	ACBD6; acyl-CoA binding domain containing 6; acyl Coenzyme A binding domain containing 6; acyl-CoA-binding domain-containing protein 6; MGC2404; acyl-Coenzyme A binding domain containing 6

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Entrez Gene ID	84320
UniProt ID	Q9BR61

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