

Rabbit anti-Human ACBD6 Polyclonal Antibody | anti-ACBD6 antibody

Anti-ACBD6 Antibody, Rabbit Polyclonal

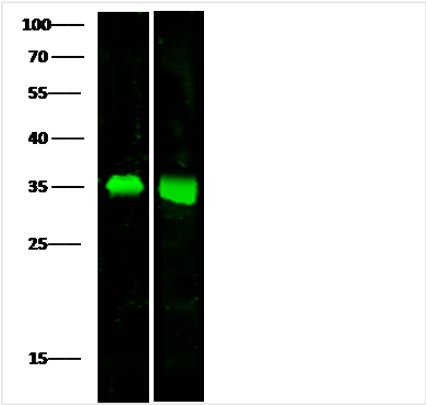
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255331	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

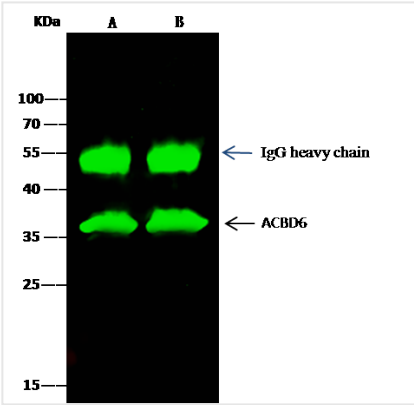
ACBD6; Polyclonal Antibody; Anti-ACBD6 Antibody; Rabbit Polyclonal; ACBD6 Antibody; Rabbit PAb; Antigen Affinity Purified; acyl-CoA binding domain containing 6; anti-ACBD6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ACBD6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ACBD6 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ACBD6 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ACBD6 (rh ACBD6). ACBD6 specific IgG was purified by human ACBD6 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-ACBD6 rabbit polyclonal antibody at 1:500 dilution
Lane A: 293T Whole Cell Lysate
Lane B: K562 Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 31 kDa Observed band size: 35 kDa



IP (Immunoprecipitation)
ACBD6 was immunoprecipitated using:
Lane A: 0.5 mg 293T Whole Cell Lysate
Lane B: 0.5 mg K562 Whole Cell Lysate
2 uL anti-ACBD6 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-ACBD6 rabbit polyclonal antibody, at 1:200 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 31 kDa Observed band size: 35 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ACBD6 antibody	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.
References	Soupe E, et al. (2008) Characterization of an acyl-coenzyme A binding protein predominantly expressed in human primitive progenitor cells. J Lipid Res. 49(5): 1103-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14150169
NCBI GeneID	84320
NCBI Accession #	NP_115736.1
NCBI GenBank Nucleotide #	NM_032360.3
UniProt Accession #	Q9BR61
Molecular Weight	31,151 Da
NCBI Official Full Name	acyl-CoA-binding domain-containing protein 6
NCBI Official Synonym Full Names	acyl-CoA binding domain containing 6
NCBI Official Symbol	ACBD6
NCBI Protein Information	acyl-CoA-binding domain-containing protein 6; acyl-Coenzyme A binding domain containing 6

UniProt Protein Name	Acyl-CoA-binding domain-containing protein 6
UniProt Gene Name	ACBD6
UniProt Entry Name	ACBD6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acbd6-antibody-immunoprecipitation-western-blot-elisa/255331>