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ACBD5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9143a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q5T8D3
Other Accession	A0FKI7, Q5XG73
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23175
Calculated MW	60092
Antigen Region	69-98

Additional Information

Gene ID	91452
Other Names	Acyl-CoA-binding domain-containing protein 5, ACBD5, KIAA1996
Target/Specificity	This ACBD5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-98 amino acids from the N-terminal region of human ACBD5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ACBD5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACBD5
Synonyms	KIAA1996
Function	Acyl-CoA binding protein which acts as the peroxisome receptor for

	pexophagy but is dispensable for aggrephagy and nonselective autophagy. Binds medium- and long-chain acyl-CoA esters.
Cellular Location	Peroxisome membrane; Single-pass membrane protein

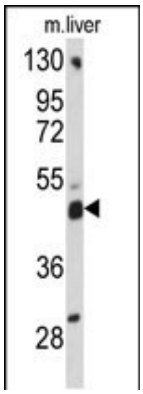
Background

ACBD5 contains 1 ACB (acyl-CoA-binding) domain. There are four named isoforms.

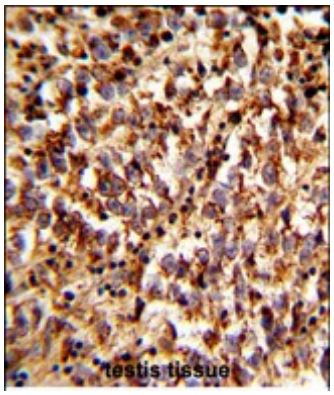
References

Mayya V., et.al., Sci. Signal. 2:RA46-RA46(2009).
Han G., et.al., Proteomics 8:1346-1361(2008).

Images



Western blot analysis of ACBD5 Antibody (N-term) (Cat. #AP9143a) in mouse liver tissue lysates (35ug/lane). ACBD5 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with ACBD5 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- ACBD5 deficiency causes a defect in peroxisomal very long-chain fatty acid metabolism.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.