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ACBG2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9854c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q5FVE4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24908
Calculated MW	74354
Antigen Region	237-265

Additional Information

Gene ID	81616
Other Names	Long-chain-fatty-acid--CoA ligase ACSBG2, Acyl-CoA synthetase bubblegum family member 2, Bubblegum-related protein, PRTD-NY3, ACSBG2, BGR
Target/Specificity	This ACBG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-265 amino acids from the Central region of human ACBG2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	ACBG2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACSBG2 (HGNC:24174)
Function	Catalyzes the conversion of fatty acids such as long chain and very long-chain fatty acids to their active form acyl-CoAs for both synthesis of cellular lipids, and degradation via beta-oxidation. Can activate diverse

saturated, monosaturated and polyunsaturated fatty acids (PubMed:16371355, PubMed:16762313). Has increased ability to activate oleic and linoleic acid (PubMed:16371355). May play a role in spermatogenesis (PubMed:15685348).

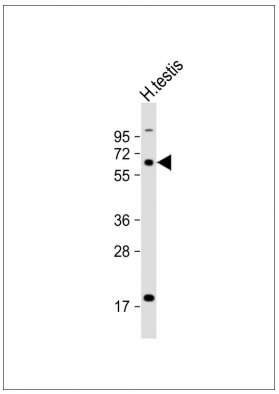
Cellular Location Cytoplasm. Membrane; Peripheral membrane protein.

Tissue Location Testis-specific.

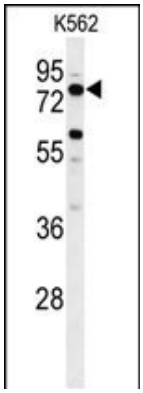
References

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Pei, Z., et al. J. Biol. Chem. 281(10):6632-6641(2006)
Zheng, Y., et al. Asian J. Androl. 7(1):21-32(2005)
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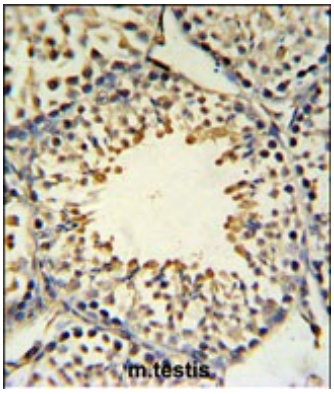
Images



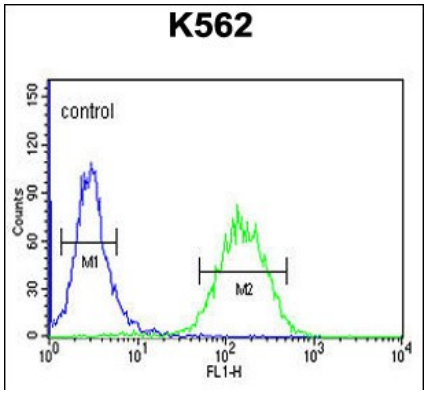
Anti-ACBG2 Antibody (Center) at 1:1000 dilution + human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of ACBG2 Antibody (Center) (Cat. #AP9854c) in K562 cell line lysates (35ug/lane). ACBG2 (arrow) was detected using the purified Pab.



ACBG2 Antibody (Center) (Cat. #AP9854c) IHC analysis in formalin fixed and paraffin embedded mouse testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACBG2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



ACBG2 Antibody (Center) (Cat. #AP9854c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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