

**ACBG2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9854c****Specification**

---

**ACBG2 Antibody (Center) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q5FVE4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	74354
Antigen Region	237-265

**ACBG2 Antibody (Center) - 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~~1:50~100  
FC~~1:10~50

**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.

**ACBG2 Antibody (Center) - 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**

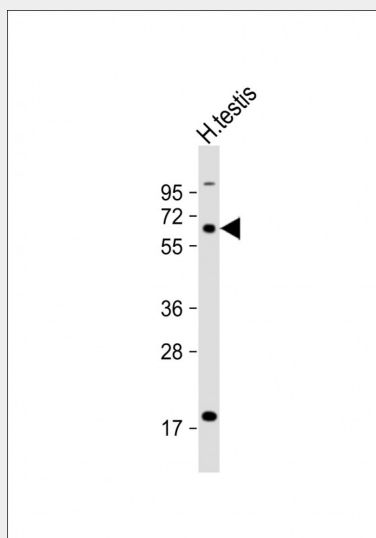
Testis-specific.

**ACBG2 Antibody (Center) - Protocols**

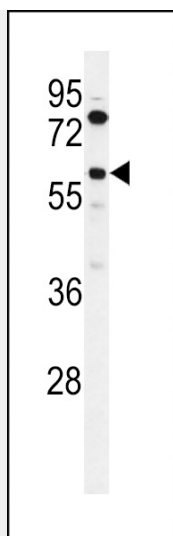
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

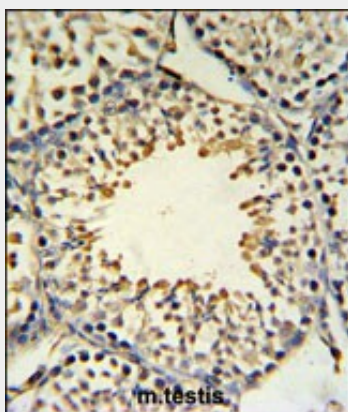
**ACBG2 Antibody (Center) - Images**



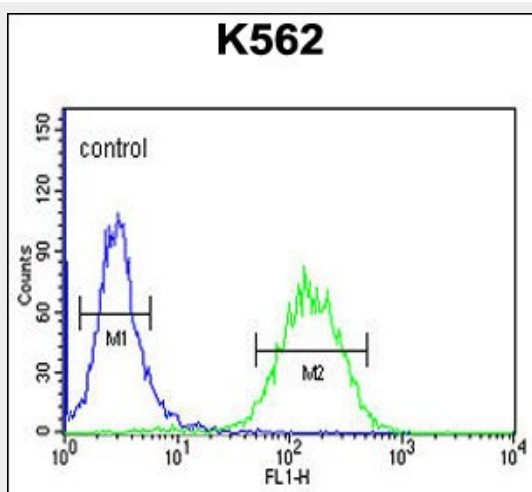
Anti-ACBG2 Antibody (Center) at 1:1000 dilution + human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

**ACBG2 Antibody (Center) - References**

Fraisl, P., et al. Arch. Biochem. Biophys. 451(1):23-33(2006)  
Pei, Z., et al. J. Biol. Chem. 281(10):6632-6641(2006)  
Zheng, Y., et al. Asian J. Androl. 7(1):21-32(2005)  
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)