



Rabbit Anti-ACSBG2 antibody

SL8008R

Product Name:	ACSBG2
Chinese Name:	长链脂肪酸辅酶A连接酶ACSBG2抗体
Alias:	ACSBG 2; Acyl CoA synthetase bubblegum family member 2; BGR; BGR like; BRGL; Bubblegum related acyl CoA synthetase 2; Bubblegum related protein; DKFZp434K1635; Long chain fatty acid CoA ligase; Long chain fatty acid CoA ligase ACSBG2; MGC111089; PRTD NY3; PRTDNY3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ACSBG2:51-150/666
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ACSBG2 belongs to the ATP-dependent AMP-binding enzyme family, bubblegum subfamily. ACSBG2 mediates activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. It is able to activate long-chain fatty acids. It is also able to activate very long-chain fatty acids, although the relevance of

such activity is unclear in vivo. ACSBG2 has increased ability to activate oleic and linoleic acid. It may play a role in spermatogenesis.

Function:

Mediates activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Able to activate long-chain fatty acids. Also able to activate very long-chain fatty acids; however, the relevance of such activity is unclear in vivo. Has increased ability to activate oleic and linoleic acid. May play a role in spermatogenesis.

Subunit:

Belongs to the ATP-dependent AMP-binding enzyme family. Bubblegum subfamily.

Subcellular Location:

Cytoplasm. Membrane; Peripheral membrane protein.

Tissue Specificity:

Testis-specific.

DISEASE:

Weakly or not expressed in fetal testis. Highly expressed in adult testis and moderately in elderly testis.

SWISS:

Q5FVE4

Gene ID:

81616

Database links:

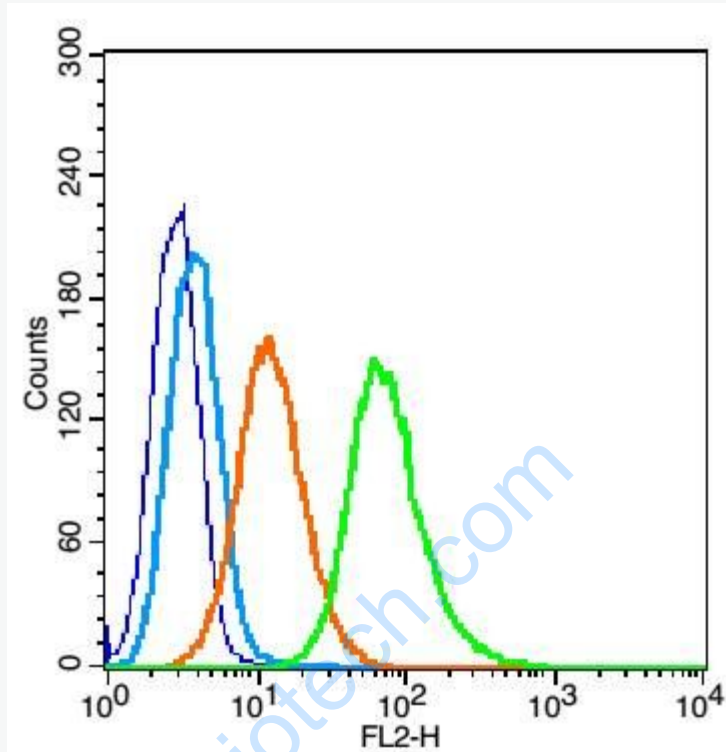
[Entrez Gene: 81616](#) Human

[SwissProt: Q5FVE4](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:

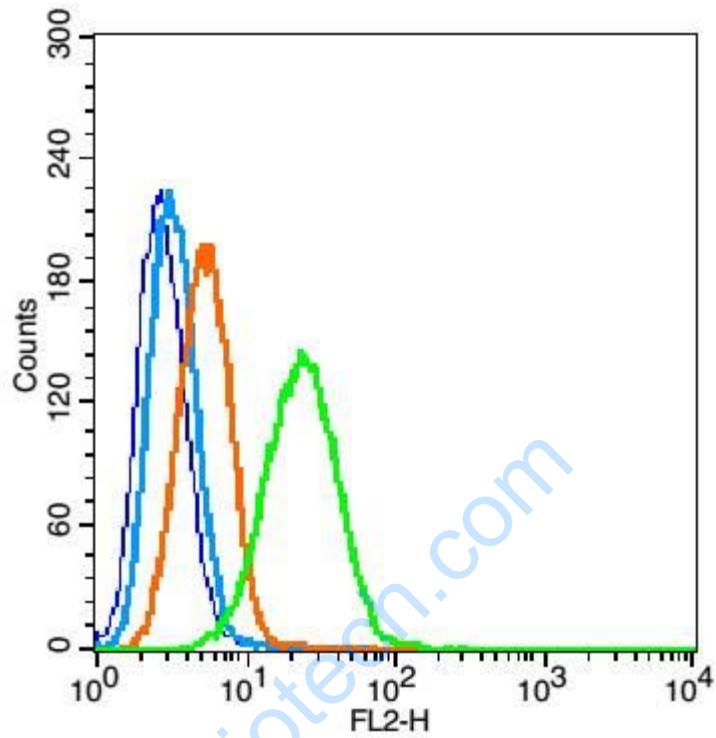


Blank control(blue): TM4 cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody: Rabbit Anti-ACSBG2 antibody(SL8008R), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control:H9C2 cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody: Rabbit Anti-ACSBG2 antibody(SL8008R), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions) ;

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.