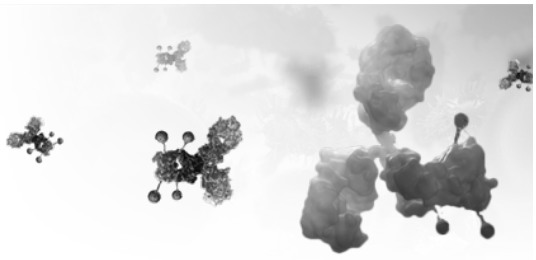

# Anti-ACSBG1 monoclonal antibody, clone 3C7 (DCABH-731)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | Mouse monoclonal to ACSBG1 |
| **Antigen Description** | 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. Can activate diverse saturated, monosaturated and polyunsaturated fatty acids. |
| **Immunogen** | Recombinant full length protein of Human ACSBG1 produced in HEK293T cells (NP_055977). |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 3C7 |
| **Purification** | This antibody was purified from mouse ascites fluids by affinity chromatography. |
| **Conjugate** | Unconjugated |
| **Applications** | WB, IHC-P, Flow Cyt |
| **Positive Control** | ACSBG1 transfected HEK293T cell lysate, Human colon, kidney, liver, Adenocarcinoma of ovary, and pancreas tissues |
| **Format** | Liquid |
| **Size** | 100 µl |
| **Buffer** | pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol |

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| | |
|---|---|
| **Preservative** | 0.02% Sodium Azide |
| **Storage** | store at -20°C. Avoid freeze / thaw cycles. |
| **Ship** | Shipped at 4°C. |

# GENE INFORMATION

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|---|---|
| **Gene Name** | ACSBG1 acyl-CoA synthetase bubblegum family member 1 [ Homo sapiens ] |
| **Official Symbol** | ACSBG1 |
| **Synonyms** | ACSBG1; acyl-CoA synthetase bubblegum family member 1; long-chain-fatty-acid--CoA ligase ACSBG1; BG1; BGM; bubblegum; FLJ30320; hBG1; hsBG; KIAA0631; lipidosin; MGC14352; very long chain acyl CoA synthetase; very long-chain acyl-CoA synthetase; BG; LPD; G |
| **Entrez Gene ID** | 23205 |
| **Protein Refseq** | NP_001186306 |
| **UniProt ID** | B7Z2Y6 |
| **Chromosome Location** | 15q23-q24 |
| **Pathway** | Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; |
| **Function** | ATP binding; ligase activity; long-chain fatty acid-CoA ligase activity; nucleotide binding; very long-chain fatty acid-CoA ligase activity; |

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