

[Go to Product page](#)

Datasheet for ABIN2746830 **anti-G0S2 antibody**

Overview

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|--------------|--|
| Quantity: | 100 µg |
| Target: | G0S2 |
| Reactivity: | Human, Mouse, Monkey, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP) |

Product Details

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|-------------------|--|
| Immunogen: | Synthetic peptide corresponding to unique amino acid sequences on G0S2 protein. |
| Isotype: | IgG |
| Cross-Reactivity: | Rat (Rattus), Mouse (Murine), Monkey |
| Characteristics: | The G0S2-specific antibodies were generated using synthetic peptide derived from the from the C-terminal region of the G0S2 protein from within the region spanning AA 79-103. The G0S2-specific antibodies were affinity purified over immobilized antigen based affinity chromatography, and the purified immunoglobulins are stabilized in antibody stabilization buffer for long-term storage. |
| Purification: | Affinity Purified |

Target Details

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|-------------------|--|
| Target: | G0S2 |
| Alternative Name: | G0/G1 Switch 2 (G0S2 Products) |

Target Details

Background: Lipolysis is the biochemical pathway responsible for the catabolism of triacylglycerol (TAG) stored in cellular lipid droplets by essential TAG hydrolase named adipose triglyceride lipase (ATGL). The ATGL action generates non-esterified fatty acids, which are subsequently used as energy substrate, essential precursors for lipid and membrane synthesis and mediator of cell signaling molecules. ATGL activity is regulated by several enzymes and binding factors including ATGL activator patatin-like phospholipase domain containing protein 58 (alpha/beta hydrolase containing protein 5) and ATGL inhibitor G0/G1 switch gene 2 (G0S2). Other factors/enzymes include hormone sensitive lipase E, and mono glyceride lipase constitute the basic \\\

UniProt: [Q68515](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Antibody was tested in ELISA and western blotting applications at 1:500 dilution using ABIN1040787 samples. Antibody dilutions for this antibody is for reference only, investigators are expected to determine the optimal conditions. Application of this antibody in other protocols has not yet tested.

WB: > 1:500

IMM & IP pull-down assays: n.d.

IHC: n.d.

Investigators using this antibody in protocols other than listed above can request a complimentary sample of this antibody.

This antibody detects a band of 13 kDa in ABIN1040787 samples. The antibody also reacts to a 13 kDa protein in fat cells and TNF alpha induced THP cells.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.51-0.54 µg/µL

Buffer: The antiserum is supplied in antibody stabilization buffer with 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Storage of very dilute antibody solutions is not recommended.