

## Mouse Monoclonal Antibody to PPARGC1B

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| <b>Catalogue Number</b>        | sAP-0927                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Molecule</b>         | <p><b>Name: PPARGC1B</b></p> <p><b>Aliases:</b> PERC; ERRL1; PGC1B; PGC-1(beta)</p> <p><b>MW: 113.2kDa</b></p> <p><b>Entrez Gene ID: 133522</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>             | <p>The protein encoded by this gene stimulates the activity of several transcription factors and nuclear receptors, including estrogen receptor alpha, nuclear respiratory factor 1, and glucocorticoid receptor. The encoded protein may be involved in fat oxidation, non-oxidative glucose metabolism, and the regulation of energy expenditure. This protein is downregulated in prediabetic and type 2 diabetes mellitus patients. Certain allelic variations in this gene increase the risk of the development of obesity. Three transcript variants encoding different isoforms have been found for this gene.</p> |
| <b>Immunogen</b>               | Purified recombinant fragment of human PPARGC1B (AA: 195-414) expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactive Species</b>        | Human;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clone</b>                   | MM6C3F6;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Size and Concentration</b>  | 100µg/1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reference</b>               | 1. Am J Physiol Endocrinol Metab. 2011 Jul;301(1):E155-63.; 2. J Biol Chem. 2009 Jul 24;284(30):19945-52.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**