



## Goat anti-COX4I2 Antibody

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| <b>Item Number</b>     | dAP-1815   |
| <b>Target Molecule</b> | Principle Name: COX4I2; Official Symbol: COX4I2; All Names and Symbols: COX4I2; cytochrome c oxidase subunit IV isoform 2 (lung); COX4; COX4-2; COX4B; COX4L2; COXIV-2; dJ857M17.2 ; cytochrome c oxidase subunit IV isoform 2; cytochrome c oxidase subunit IV-like 2; Accession Number (s): NP_115998.2; Human Gene ID(s): 84701; Non-Human GeneID(s): 84682 (mouse) 84683 (rat) |
| <b>Immunogen</b>       | RWDYEKKQWKK, is from C Terminus  |
| <b>Applications</b>    | Pep ELISA, WB<br>Species Tested: Human   |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.   |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 2000.  |
| <b>Western Blot</b>    | Western Blot: Approx 17kDa band observed in Human Skeletal Muscle lysates (calculated MW of 19.6kDa according to NP_115998.2). Recommended concentration: 1-3µg/ml.  |
| <b>IHC</b>             |  |
| <b>Reference</b>       | Reference(s): Fukuda R, Zhang H, Kim JW, Shimoda L, Dang CV, Semenza GL. HIF-1 regulates cytochrome oxidase subunits to optimize efficiency of respiration in hypoxic cells. Cell. 2007 Apr 6;129(1):111-22. .PMID: 17418790 ->  |

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**