Datasheet for ABIN7599081

# anti-COX2 antibody (AA 1-205)

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## Overview

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| Quantity: | 100 µg |
| Target: | COX2 |
| Binding Specificity: | AA 1-205 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COX2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-MT-CO2 Antibody Picoband® |
| Immunogen: | E.coli-derived human MT-CO2 recombinant protein (Position: M1-S205). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-MT-CO2 Antibody Picoband® (ABIN7599081). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | COX2 |
| Alternative Name: | MT-CO2 (COX2 Products) |
| Background: | Synonyms: Protein ERGIC-53, ER-Golgi intermediate compartment 53 kDa protein, Gp58, Intracellular mannose-specific lectin MR60, Lectin mannose-binding 1, LMAN1, ERGIC53, F5F8D<br>Tissue Specificity: Ubiquitous.<br>Background: Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. Subunit 2 transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1. |
| Molecular Weight: | 21 kDa |
| Gene ID: | 4513 |
| UniProt: | P00403 |
| Pathways: | Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation |

## Application Details

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| Application Notes: | Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat<br>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Anderson, S., Bankier, A. T., Barrell, B. G., de Bruijn, M. H. L., Coulson, A. R., Drouin, J., Eperon, I. C., Nierlich, D. P., Roe, B. A., Sanger, F., Schreier, P. H., Smith, A. J. H., Staden, R., Young, I. G. Sequence and organization of the human mitochondrial genome. Nature 290: 457-465, 1981. 2. Attardi, G., Chomyn, A., Montoya, J., Ojala, D. Identification and mapping of human mitochondrial genes. Cytogenet. Cell Genet. 32: 85-98, 1982. 3. Ballinger, S. W., Schurr, T. G., Torroni, A., Gan, Y. Y., Hodge, J. A., Hassan, K., Chen, K. H., Wallace, D. C. Southeast Asian mitochondrial DNA analysis reveals genetic continuity of ancient mongoloid migrations. Genetics 130: 139-152, 1992. Note: Erratum: Genetics 130: 957 only, 1992. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |

## Handling

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| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |