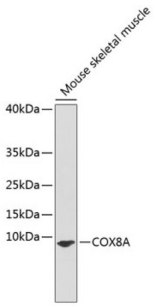
# Cytochrome C Oxidase Subunit 8A (COX8A) Antibody

Catalogue No.:abx002338




Western blot analysis of lysates from mouse skeletal muscle, using COX8A Antibody.

COX8A Antibody is a Rabbit Polyclonal antibody against COX8A. The protein encoded by this gene is the terminal enzyme of the respiratory chain, coupling the transfer of electrons from cytochrome c to molecular oxygen, with the concomitant production of a proton electrochemical gradient across the inner mitochondrial membrane. In addition to 3 mitochondrially encoded subunits, which perform the catalytic function, the eukaryotic enzyme contains nuclear-encoded smaller subunits, ranging in number from 4 in some organisms to 10 in mammals. It has been proposed that nuclear-encoded subunits may be involved in the modulation of the catalytic function. This gene encodes one of the nuclear-encoded subunits.

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| **Target:** | Cytochrome C Oxidase Subunit 8A (COX8A) |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Human, Mouse |
| **Tested Applications:** | ELISA, WB |
| **Host:** | Rabbit |
| **Recommended dilutions:** | ELISA: 1 µg/ml, WB: 1/1000 - 1/2000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | Recombinant protein corresponding to COX8A. The exact sequence is proprietary. |
| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified by affinity chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| **UniProt Primary AC:** | P10176 (UniProt, ExPASy) |

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|---|---|
| **GeneID:** | 1351 |
| **NCBI Accession:** | NP_004065.1 |
| **KEGG:** | hsa:1351 |
| **String:** | 9606.ENSP00000321260 |
| **Molecular Weight:** | Calculated MW: 8 kDa<br>Observed MW: 8 kDa |
| **Buffer:** | PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol. |
| **Concentration:** | > 0.2 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |

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