

# Rabbit Cytochrome c oxidase subunit 5B, mitochondrial Polyclonal Antibody | anti-COX5B antibody

Rabbit anti-human Cytochrome c oxidase subunit 5B, mitochondrial polyclonal Antibody

|                               |                       |                                             |                                                                |
|-------------------------------|-----------------------|---------------------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA230029</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, mouse, rat, cow</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|---------------------------------------------|----------------------------------------------------------------|

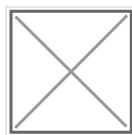
## PRODUCT SYNONYMS

Cytochrome c oxidase subunit 5B; mitochondrial; Polyclonal Antibody; Rabbit anti-human Cytochrome c oxidase subunit 5B; mitochondrial polyclonal Antibody; mitochondrial protein; Cytochrome c oxidase polypeptide Vb; COX5B;; anti-COX5B antibody

## PRODUCT SPECIFICATIONS

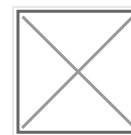
|                                                 |                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                           |
| Reactivity                                      | Human, mouse, rat, cow                                                                                           |
| Clonality                                       | Polyclonal                                                                                                       |
| Isotype                                         | IgG                                                                                                              |
| Purity/Purification                             | Caprylic Acid Ammonium Sulfate Precipitation purified                                                            |
| Form/Format                                     | Liquid                                                                                                           |
| Sequence Length                                 | 129                                                                                                              |
| Applicable Applications for anti-COX5B antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                                |
| Immunogen                                       | Recombinant human Cytochrome c oxidase subunit 5B, mitochondrial protein                                         |
| Conjugation                                     | Non-conjugated                                                                                                   |
| Storage Buffer                                  | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                   |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79916 / sc-79918 / sc-292262 / sc-100523 |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.                         |

## IMAGES



### IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA230029 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### WB (Western Blot)

Western blotAll lanes: Cytochrome c oxidase subunit 5B, mitochondrial antibody at 2ug/mL Lane 1: EC109 whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to Rabbit IgG at 1/15000 dilution Predicted band size: 14kDa Observed band size: 14 kDa Additional bands at: 65kDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COX5B antibody | <p>This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.</p> <p>Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme.</p> |
| Product Categories/Family for anti-COX5B antibody   | Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 17017988                                       |
| NCBI GeneID                      | 1329                                           |
| NCBI Accession #                 | NP_001853.2                                    |
| NCBI GenBank Nucleotide #        | NM_001862.2                                    |
| UniProt Accession #              | P10606; Q53YB7; Q96J18; Q99610                 |
| Molecular Weight                 | 13,696 Da                                      |
| NCBI Official Full Name          | cytochrome c oxidase subunit 5B, mitochondrial |
| NCBI Official Synonym Full Names | cytochrome c oxidase subunit 5B                |
| NCBI Official Symbol             | COX5B                                          |
| NCBI Official Synonym Symbols    | COXVB                                          |
| NCBI Protein Information         | cytochrome c oxidase subunit 5B, mitochondrial |
| UniProt Protein Name             | Cytochrome c oxidase subunit 5B, mitochondrial |
| UniProt Gene Name                | COX5B                                          |
| UniProt Entry Name               | COX5B_HUMAN                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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