

## Rabbit anti-Human COX5B Monoclonal Antibody | anti-COX5B antibody

Recombinant Anti-COX5B Antibody, Rabbit Monoclonal

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA255832</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

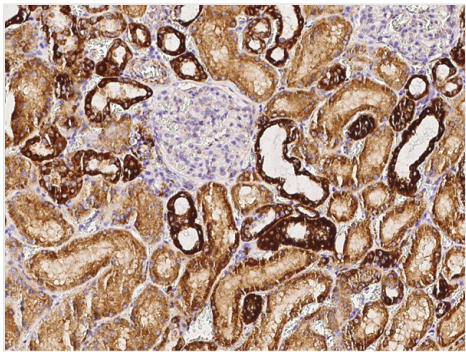
### PRODUCT SYNONYMS

COX5B; Monoclonal Antibody; Recombinant Anti-COX5B Antibody; Rabbit Monoclonal; COX5B Antibody; Rabbit MAb; cytochrome c oxidase subunit Vb; Anti-COXVB Antibody; anti-COX5B antibody

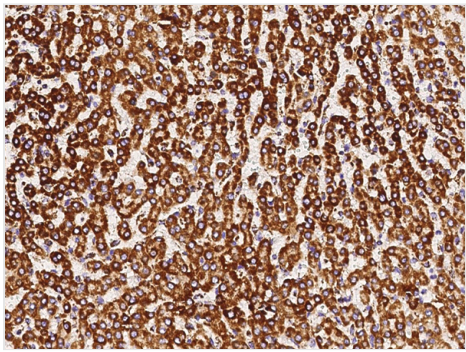
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                    | 029                                                                                                                                                                                                                                                                   |
| Specificity                                     | Human COX5B                                                                                                                                                                                                                                                           |
| Purity/Purification                             | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-COX5B antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                     |
| Antibody Type                                   | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                       | Recombinant Human COX5B Protein                                                                                                                                                                                                                                       |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                     | This antibody was obtained from a rabbit immunized with purified, recombinant Human COX5B (rh COX5B).                                                                                                                                                                 |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



**IHC (Immunohistochemistry)**  
Immunochemical staining of human COX5B in human kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



**IHC (Immunohistochemistry)**  
Immunochemical staining of human COX5B in human liver with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-COX5B antibody</b> | 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. |
| <b>References</b>                                          | Romero N. et al., 1990, Histochemistry. 94 (2): 211-5. Lomax MI. et al., 1991, Genomics. 10 (1): 1-9. Beauchemin A M. et al., 2001, Brain Res Bull. 56 (3-4): 285-97.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 20141332                                                                                           |
| <b>NCBI GeneID</b>                      | 1329                                                                                               |
| <b>UniProt Accession #</b>              | P10606; Q53YB7; Q96J18; Q99610                                                                     |
| <b>Molecular Weight</b>                 | 129                                                                                                |
| <b>NCBI Official Full Name</b>          | Cytochrome c oxidase subunit 5B, mitochondrial                                                     |
| <b>NCBI Official Synonym Full Names</b> | cytochrome c oxidase subunit Vb                                                                    |
| <b>NCBI Official Symbol</b>             | COX5B                                                                                              |
| <b>NCBI Official Synonym Symbols</b>    | COXVB                                                                                              |
| <b>NCBI Protein Information</b>         | cytochrome c oxidase subunit 5B, mitochondrial; cytochrome c oxidase polypeptide VB, mitochondrial |
| <b>UniProt Protein Name</b>             | Cytochrome c oxidase subunit 5B, mitochondrial                                                     |
| <b>UniProt Gene Name</b>                | COX5B                                                                                              |
| <b>UniProt Entry Name</b>               | 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.