

## Rabbit anti-Human COX4I1 Polyclonal Antibody | anti-COX4I1 antibody

COX4I1 Polyclonal Antibody

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA173428</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

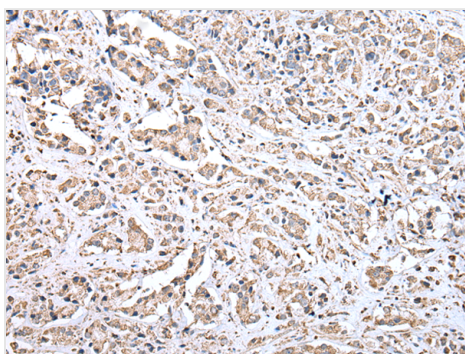
### PRODUCT SYNONYMS

COX4I1; Polyclonal Antibody; COX4I1 Polyclonal Antibody; COX4; COXIV; COX4-1; anti-COX4I1 antibody

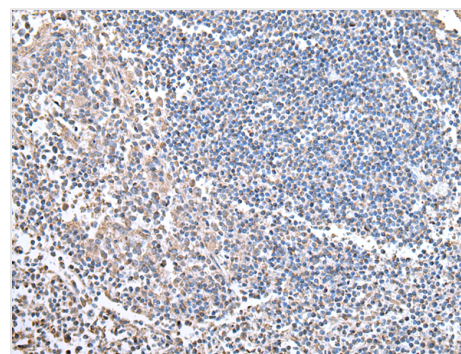
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                         |
| Reactivity                                       | Human                                                                          |
| Clonality                                        | Polyclonal                                                                     |
| Isotype                                          | IgG                                                                            |
| Purity/Purification                              | Antigen Affinity Purification                                                  |
| Concentration                                    | 1.3mg/ml (varies by lot)                                                       |
| Sequence Length                                  | 83                                                                             |
| Applicable Applications for anti-COX4I1 antibody | IHC (Immunohistochemistry), ELISA                                              |
| Immunogen                                        | Synthetic peptide of human COX4I1                                              |
| Buffer                                           | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                               |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-376731 |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles.                               |

### IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using COX4I1 Polyclonal Antibody at dilution 1:20



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded Human tonsil tissue using COX4I1 Polyclonal Antibody at dilution 1:20

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COX4I1 antibody | 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 IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 28839782                                                |
| NCBI GeneID                      | 1327                                                    |
| Molecular Weight                 | 19,577 Da                                               |
| NCBI Official Full Name          | COX4I1 protein                                          |
| NCBI Official Synonym Full Names | cytochrome c oxidase subunit 4I1                        |
| NCBI Official Symbol             | COX4I1                                                  |
| NCBI Official Synonym Symbols    | COX4; COXIV; COX4-1; COXIV-1; COX IV-1                  |
| NCBI Protein Information         | cytochrome c oxidase subunit 4 isoform 1, mitochondrial |
| UniProt Protein Name             | Cytochrome c oxidase subunit 4 isoform 1, mitochondrial |
| UniProt Gene Name                | COX4I1                                                  |
| UniProt Synonym Gene Names       | COX4; COX IV-1                                          |
| UniProt Entry Name               | COX41_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cox4i1-antibody-immunohistochemistry-elisa/173428>