

## Rabbit anti-Human, Mouse COX5B Polyclonal Antibody | anti-COX5B antibody

Rabbit anti-COX5B Antibody, Affinity Purified

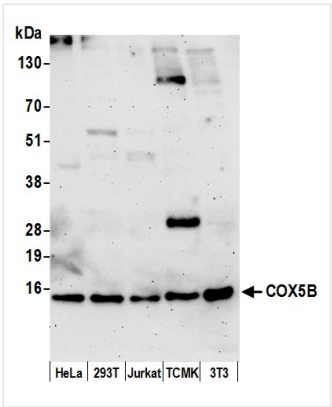
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA213302 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

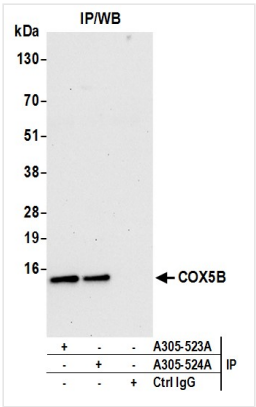
COX5B; Polyclonal Antibody; Rabbit anti-COX5B Antibody; Affinity Purified; COXVB; Cytochrome c oxidase polypeptide Vb; cytochrome c oxidase polypeptide VB; mitochondrial; cytochrome c oxidase subunit 5B; cytochrome c oxidase subunit Vb; epididymis secretory sperm binding protein; Cytochrome c oxidase subunit 5B; anti-COX5B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse                                                                              |
| Clonality                                       | Polyclonal                                                                                |
| Purity/Purification                             | Antigen Affinity Purified                                                                 |
| Form/Format                                     | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                   | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-COX5B antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Predicted Reactivity                            | Orangutan                                                                                 |
| Immunogen                                       | Between 25 and 75                                                                         |
| Conjugation                                     | Unconjugated                                                                              |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



**WB (Western Blot)**  
Detection of human and mouse COX5B by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-COX5B antibody AAA213302 (lot AAA213302-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



**IP (Immunoprecipitation)**  
Detection of human COX5B by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-COX5B antibody AAA213302 (lot AAA213302-1) used for IP at 6 ug per reaction. COX5B was also immunoprecipitated by rabbit anti-COX5B antibody. For blotting immunoprecipitated COX5B, AAA213302 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COX5B antibody | Cytochrome c oxidase subunit 5B (COX5B) is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport [taken from the Universal Protein Resource (UniProt) <a href="http://www.uniprot.org/uniprot/P10606">www.uniprot.org/uniprot/P10606</a> ]. |
| Product Categories/Family for anti-COX5B antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                  |

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 Vb                                                                    |
| NCBI Official Symbol             | COX5B                                                                                              |
| NCBI Official Synonym Symbols    | COXVB                                                                                              |
| NCBI Protein Information         | cytochrome c oxidase subunit 5B, mitochondrial; cytochrome c oxidase polypeptide VB, 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.

