

## Rabbit COX7A2 Polyclonal Antibody | anti-COX7A2 antibody

COX7A2 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA311826</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

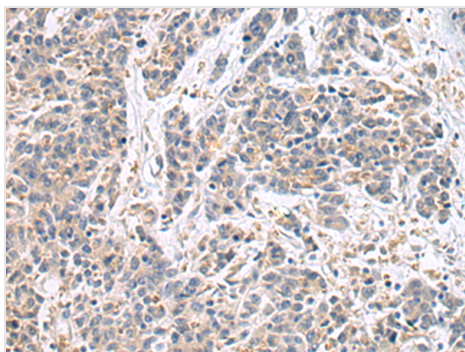
### PRODUCT SYNONYMS

COX7A2; Polyclonal Antibody; COX7A2 Antibody; VIIL; COX7AL; COX7AL1; COXVIIAL; COXVIIa-L; anti-COX7A2 antibody

### PRODUCT SPECIFICATIONS

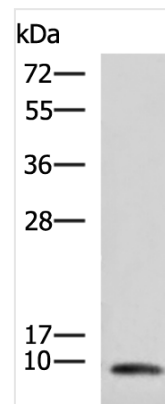
|                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Host                                             | Rabbit                                           |
| Reactivity                                       | Human, Mouse, Rat                                |
| Clonality                                        | Polyclonal                                       |
| Purity/Purification                              | Antigen affinity purification                    |
| Form/Format                                      | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |
| Concentration                                    | 0.6mg/mL (varies by lot)                         |
| Applicable Applications for anti-COX7A2 antibody | IHC (Immunohistochemistry), WB (Western Blot)    |
| Immunogen                                        | Synthetic peptide of human COX7A2                |
| Conjugation                                      | Unconjugated                                     |
| Preparation and Storage                          | Store at -20 degree C for 1 year.                |

### IMAGES



#### IHC (Immunohistochemistry)

The image is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using (COX7A2 Antibody) at dilution 1/20.



#### SDS-PAGE

Gel: 12%SDS-PAGE, Lysate: 40 ug, Lane: HeLa cell lysate, Primary antibody:COX7A2 Antibody at dilution 1/500, Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution, Exposure time: 30 seconds

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COX7A2 antibody | Cytochrome c oxidase, the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of three catalytic subunits encoded by mitochondrial genes, and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, while the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, which is present in all tissues. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4 and 14. |
| Product Categories/Family for anti-COX7A2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 262118227                                                 |
| NCBI GeneID                      | 1347                                                      |
| NCBI Accession #                 | NP_001856                                                 |
| NCBI GenBank Nucleotide #        | NM_001865                                                 |
| UniProt Accession #              | Q8IVL5; P14406                                            |
| Molecular Weight                 | 12kDa                                                     |
| NCBI Official Full Name          | cytochrome c oxidase subunit 7A2, mitochondrial isoform a |
| NCBI Official Synonym Full Names | cytochrome c oxidase subunit 7A2                          |
| NCBI Official Symbol             | COX7A2                                                    |
| NCBI Official Synonym Symbols    | VIIAL; COX7AL; COX7AL1; COXVIIAL; COXVIIa-L               |
| NCBI Protein Information         | cytochrome c oxidase subunit 7A2, mitochondrial           |
| UniProt Protein Name             | Prolyl 3-hydroxylase 2                                    |
| UniProt Gene Name                | LEPREL1                                                   |
| UniProt Synonym Gene Names       | MLAT4; P3H2                                               |
| UniProt Entry Name               | P3H2_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.