

## Rabbit COX42 Polyclonal Antibody | anti-COX42 antibody

COX42 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                            |
|-----------|--------|-------------------|-----------------------------------------|
| AAA317718 | Rabbit | Human, Mouse, Rat | ELISA, Immunofluorescence, Western Blot |

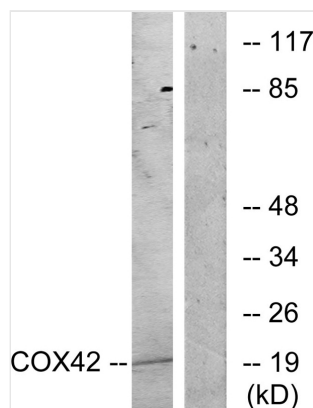
### PRODUCT SYNONYMS

COX42; Polyclonal Antibody; COX42 Antibody; Cytochrome c oxidase subunit 4 isoform 2; mitochondrial; COX IV-2; COX4L2; anti-COX42 antibody

### PRODUCT SPECIFICATIONS

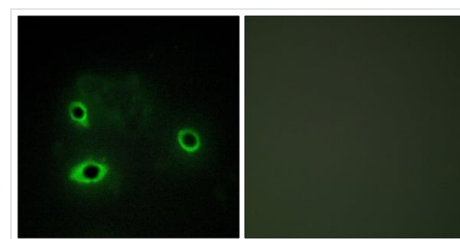
|                                                 |                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                             |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                         |
| Specificity                                     | COX42 Antibody detects endogenous levels of total COX42 protein.                                                                                   |
| Purity/Purification                             | Purified from rabbit antiserum by affinity-chromatography using immunogen.                                                                         |
| Form/Format                                     | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                            |
| Sequence Length                                 | 171                                                                                                                                                |
| Applicable Applications for anti-COX42 antibody | ELISA, IF (Immunofluorescence), WB (Western Blot)                                                                                                  |
| Target Modification                             | Unmodified/Total                                                                                                                                   |
| Immunogen                                       | The antiserum was produced against synthesized peptide derived from human COX42.                                                                   |
| Immunogen Range                                 | 31-80                                                                                                                                              |
| Preparation and Storage                         | Stable at -20 degree C for at least 1 year.                                                                                                        |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from K562 cells, treated with insulin 0.01U/ml 15', using COX42 Antibody. The lane on the right is blocked with the synthesized peptide.



#### IF (Immunofluorescence)

Immunofluorescence analysis of COS7 cells, using COX42 Antibody. The picture on the right is blocked with the synthesized peptide.

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 17999526                                                |
| NCBI GeneID                      | 84701                                                   |
| NCBI Accession #                 | NP_115998.2                                             |
| NCBI GenBank Nucleotide #        | NM_032609.2                                             |
| UniProt Accession #              | Q96KJ9; Q6GTF4; Q9H0Z4                                  |
| Molecular Weight                 | 20 kDa                                                  |
| NCBI Official Full Name          | cytochrome c oxidase subunit 4 isoform 2, mitochondrial |
| NCBI Official Synonym Full Names | cytochrome c oxidase subunit 4I2                        |
| NCBI Official Symbol             | COX4I2                                                  |
| NCBI Official Synonym Symbols    | COX4; COX4B; COX4-2; COX4L2; COXIV-2; dJ857M17.2        |
| NCBI Protein Information         | cytochrome c oxidase subunit 4 isoform 2, mitochondrial |
| UniProt Protein Name             | Cytochrome c oxidase subunit 4 isoform 2, mitochondrial |
| UniProt Gene Name                | COX4I2                                                  |
| UniProt Synonym Gene Names       | COX4L2; COX IV-2                                        |

**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/cox42-antibody-immunofluorescence-western-blot-elisa/317718>