

## Rabbit anti-Human, Mouse COX6A2 Polyclonal Antibody | anti-COX6A2 antibody

COX6A2 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA322726 | Rabbit | Human, Mouse | ELISA, Immunohistochemistry, Western Blot |

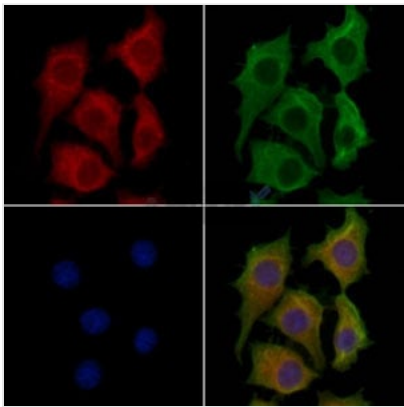
### PRODUCT SYNONYMS

COX6A2; Polyclonal Antibody; COX6A2 Antibody; COX VIa M; COX6AH; COXVIAH; Cytochrome c oxidase polypeptide VIa heart; Cytochrome c oxidase subunit 6A2 mitochondrial; Cytochrome c oxidase subunit VIA muscle; Cytochrome c oxidase subunit VIa polypeptide 2; MS411; anti-COX6A2 antibody

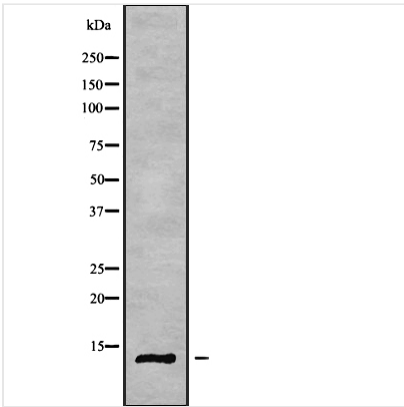
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                      |
| Reactivity                                       | Human, Mouse                                                                                                |
| Clonality                                        | Polyclonal                                                                                                  |
| Isotype                                          | IgG                                                                                                         |
| Specificity                                      | COX6A2 antibody detects endogenous levels of total COX6A2                                                   |
| Purity/Purification                              | Peptide affinity purification                                                                               |
| Form/Format                                      | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                         |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                      |
| Sequence Length                                  | 97                                                                                                          |
| Applicable Applications for anti-COX6A2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                        |
| Immunogen                                        | A synthesized peptide derived from human COX6A2, corresponding to a region within the internal amino acids. |
| Preparation and Storage                          | Store at -20 degree C.                                                                                      |

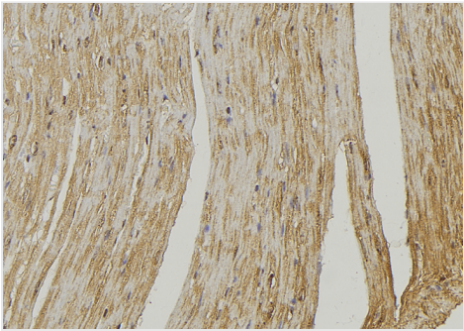
IMAGES



**IF (Immunofluorescence)**  
AAA322726 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA322726) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



**WB (Western Blot)**  
Western blot analysis of COX6A2 using COLO205 whole cell lysates



**IHC (Immunohistochemistry)**  
AAA322726 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                          |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-COX6A2 antibody</b> | Function: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. |
|                                                             | Similarity: Belongs to the cytochrome c oxidase subunit 6A family.                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 4885149                                         |
| NCBI GeneID                      | 1339                                            |
| NCBI Accession #                 | NP_005196.1                                     |
| NCBI GenBank Nucleotide #        | NM_005205.3                                     |
| UniProt Accession #              | Q02221; O00761; Q6GTW6                          |
| Molecular Weight                 | 11 kDa                                          |
| NCBI Official Full Name          | cytochrome c oxidase subunit 6A2, mitochondrial |
| NCBI Official Synonym Full Names | cytochrome c oxidase subunit 6A2                |

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| NCBI Official Symbol          | COX6A2                                          |
| NCBI Official Synonym Symbols | COX6AH; COXVIAH                                 |
| NCBI Protein Information      | cytochrome c oxidase subunit 6A2, mitochondrial |
| UniProt Protein Name          | Cytochrome c oxidase subunit 6A2, mitochondrial |
| UniProt Gene Name             | <b>COX6A2</b>                                   |
| UniProt Synonym Gene Names    | COX6A; COX6AH; COXVIAH; COX VIa-M               |

**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://www.aaabiotech.com/polyclonal/cox6a2-antibody-immunohistochemistry-western-blot-elisa/322726>