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# COX18 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13842

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q8N8Q8 |
| **Other Accession** | NM_173827, NP_776188 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Dog, Guinea Pig, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 37063 |

## Additional Information

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|---|---|
| **Gene ID** | 285521 |
| **Alias Symbol** | COX18HS, FLJ38991, MGC126733 |
| **Other Names** | Mitochondrial inner membrane protein COX18, COX18Hs, Cytochrome c oxidase assembly protein 18, COX18, OXA1L2 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-COX18 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | COX18 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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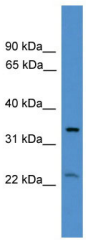
|---|---|
| **Name** | COX18 {ECO:0000303\|PubMed:16212937, ECO:0000312\|HGNC:HGNC:26801} |
| **Function** | Mitochondrial membrane insertase required for the translocation of the C-terminus of cytochrome c oxidase subunit II (MT- CO2/COX2) across the mitochondrial inner membrane. Plays a role in MT- CO2/COX2 maturation following the COX20-mediated stabilization of newly synthesized MT-CO2/COX2 protein and before the action of the metallochaperones SCO1/2. Essential for the assembly and stability of the mitochondrial respiratory chain complex IV (also known as cytochrome c oxidase). |
| **Cellular Location** | Mitochondrion inner membrane; Multi-pass membrane protein |

## References

Sacconi S.,et al.Biochem. Biophys. Res. Commun. 337:832-839(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gaisne M.,et al.FEMS Yeast Res. 6:869-882(2006).

## Images




WB Suggested Anti-COX18 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: ACHN cell lysate