

COX18 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13842**Specification**

COX18 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8N8Q8
Other Accession	NM_173827 , NP_776188
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Bovine, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 37kDa KDa

COX18 antibody - middle region - Additional Information**Gene ID** 285521**Alias Symbol** COX18HS, FLJ38991, MGC126733**Other Names**

Mitochondrial inner membrane protein COX18, COX18s, 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.

COX18 antibody - middle region - Protein Information**Name** COX18**Synonyms** OXA1L2**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).

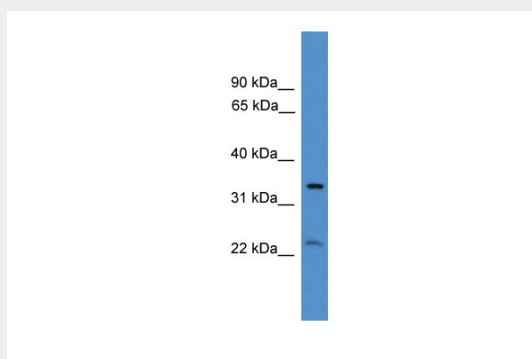
Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

COX18 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COX18 antibody - middle region - Images

WB Suggested Anti-COX18 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:62500

Positive Control: ACHN cell lysate

COX18 antibody - middle region - 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).