

Datasheet for ABIN2786331
anti-COX18 antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | COX18 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Rabbit, Horse, Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COX18 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human COX18 |
| Sequence: | LCSSFVGLSQ NLLLRSPGFR QLCRIPSTKS DSETPYKDIF AAFNTKFISR |
| Predicted Reactivity: | Cow: 79%, Dog: 79%, Horse: 86%, Human: 100%, Mouse: 85%, Pig: 86%, Rabbit: 86%, Rat: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against COX18. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | COX18 |
| Alternative Name: | COX18 (COX18 Products) |

Target Details

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| Background: | <p>COX18 is required for the insertion of integral membrane proteins into the mitochondrial inner membrane. COX18 is essential for the activity and assembly of cytochrome c oxidase. COX18 plays a central role in the translocation and export of the C-terminal part of the COX2 protein into the mitochondrial intermembrane space. COX18 encodes a cytochrome c oxidase (COX)-assembly protein. The <i>S. cerevisiae</i> Cox18 protein catalyzes the insertion of the Cox2 (MTCO2, MIM 516040) C-terminal tail into the mitochondrial inner membrane, an intermediate step in the assembly of complex IV of the mitochondrial respiratory chain (Sacconi et al., 2005 [PubMed 16212937]). [supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER</p> <p>PRIMARY_SPAN COMP 1-1248 AY957565.1 1-1248 1249-4523 AC095053.3 75071-78345 c</p> <p>Alias Symbols: COX18HS, FLJ38991, MGC126733</p> <p>Protein Size: 333</p> |
| Molecular Weight: | 37 kDa |
| Gene ID: | 285521 |
| NCBI Accession: | NM_173827 , NP_776188 |
| UniProt: | Q8N8Q8 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 333 AA |
| Restrictions: | For Research Use only |

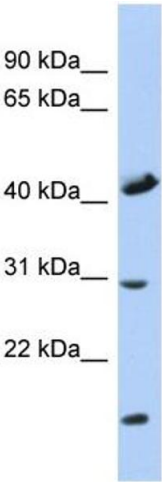
Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-COX18 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Muscle