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Datasheet for ABIN2786330  
**anti-COX18 antibody (Middle Region)**

2 Images

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human COX18
Sequence:	LVWQLPMWI FMSFALRNLS TGAAHSEGFS VQEQLATGGI LWFPDLTAPD
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 79%, Rabbit: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against COX18. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	COX18
Alternative Name:	COX18 ( <a href="#">COX18 Products</a> )

## 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.</p> <p>Alias Symbols: COX18HS, FLJ38991, MGC126733</p> <p>Protein Size: 333</p>
Molecular Weight:	37 kDa
Gene ID:	285521
NCBI Accession:	<a href="#">NM_173827</a> , <a href="#">NP_776188</a>
UniProt:	<a href="#">Q8N8Q8</a>

## Application Details

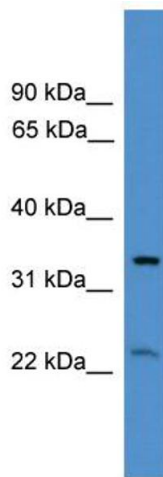
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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 333 AA
Restrictions:	For Research Use only

## 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
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.



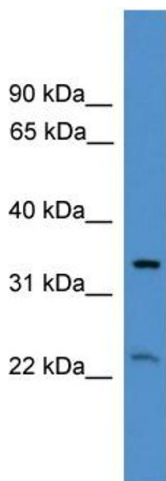
### Western Blotting

#### Image 1. WB Suggested Anti-COX18 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:62500

**Positive Control:** ACHN cell lysate



Rabbit Anti-COX18 Antibody  
Catalog Number: ARP55715  
Lot Number: QC29548  
Lane: ACHN Cell Lysate

Antibody Titration: 1.0µg/ml  
Gel Concentration: 12%

### Western Blotting

#### Image 2. WB Suggested Anti-COX18

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:2500

Positive Control: ACHN cell lysate