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Datasheet for ABIN2790079 anti-COX7A1 antibody (N-Term)

Image



Overview

Quantity:	100 µL
Target:	COX7A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Pig, Rabbit, Cow, Dog, Horse, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX7A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SQALIRSFSS TARNRFQNRV REKQKLFQED NDIPLYLKGG IVDNILYRVT
Predicted Reactivity:	Cow: 79%, Dog: 79%, Horse: 79%, Human: 100%, Mouse: 75%, Pig: 79%, Rabbit: 77%, Sheep: 79%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against COX7A1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	COX7A1
Alternative Name:	COX7A1 (COX7A1 Products)
Background:	Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain,

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	catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a
	heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and
	multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits
	function in electron transfer, and the nuclear-encoded subunits may function in the regulation
	and assembly of the complex. This nuclear gene encodes polypeptide 1 (muscle isoform) of
	subunit VIIa and the polypeptide 1 is present only in muscle tissues. Other polypeptides of
	subunit VIIa are present in both muscle and nonmuscle tissues, and are encoded by different
	genes.
	Alias Symbols: COX7A, COX7AH, COX7AM
	Protein Size: 79
Molecular Weight:	9 kDa
Gene ID:	1346
NCBI Accession:	NM_001864, NP_001855
UniProt:	P24310
Pathways:	Proton Transport
Application Details	

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 79 AA
Restrictions:	For Research Use only

Handling

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.

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Handling

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.

Images

