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anti-COX7A2 antibody (AA 33-115)





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Quantity:	100 μL
Target:	COX7A2
Binding Specificity:	AA 33-115
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX7A2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 33-115 of human COX7A2 (NP_001856.2).
Sequence:	MLRNLLALRQ IGQRTISTAS RRHFKNKVPE KQKLFQEDDE IPLYLKGGVA DALLYRATMI LTVGGTAYAI YELAVASFPK KQE
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

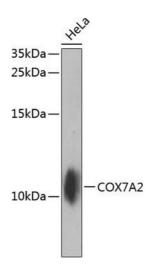
Target Details

Target:	COX7A2	
Alternative Name:	COX7A2 (COX7A2 Products)	
Background:	Cytochrome c oxidase, the terminal component of the mitochondrial respiratory chain,	
	catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a	
	heteromeric complex consisting of three catalytic subunits encoded by mitochondrial genes,	
	and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded	
	subunits function in electron transfer, while the nuclear-encoded subunits may function in the	
	regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver	
	isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle	
	tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform),	
	which is present only in muscle tissues, and a related protein, which is present in all tissues.	
	Alternative splicing results in multiple transcript variants. Related pseudogenes have been	
	identified on chromosomes 4 and 14.,COX7A2,COX7AL,COX7AL1,COXVIIAL,COXVIIa-	
	L,VIIAL,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondria	
	markers,Neuroscience,Neurodegenerative Diseases,COX7A2	
Molecular Weight:	9 kDa	
Gene ID:	1347	
JniProt:	P14406	
Application Details		
Application Notes:	WB,1:500 - 1:2000	
Comment:	HIGH QUALITY	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	

Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of HeLa cells, using COX7 antibody (ABIN6129000, ABIN6138922, ABIN6138923 and ABIN6224457) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 10s.