

Datasheet for ABIN7266513
anti-COX11 antibody (AA 140-240)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	COX11
Binding Specificity:	AA 140-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	COX11 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 140-240 of human COX11 (NP_004366.1).
Sequence:	ENMVPVKDRI IKISFNADVH ASLQWNFRPQ QTEIYVVPGE TALAFYRAKN PTDKPVIGIS TYNIVPFEAG QYFNKIQCFE FEEQRLNPQE EVDMPVFFYI D
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	COX11
Alternative Name:	COX11 (COX11 Products)
Background:	<p>Cytochrome c oxidase (COX), 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 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 a protein which is not a structural subunit, but may be a heme A biosynthetic enzyme involved in COX formation, according to the yeast mutant studies. However, the studies in Rhodobacter sphaeroides suggest that this gene is not required for heme A biosynthesis, but required for stable formation of the Cu(B) and magnesium centers of COX. This human protein is predicted to contain a transmembrane domain localized in the mitochondrial inner membrane. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene has been found on chromosome 6.,COX11,COX11P,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,COX11</p>
Molecular Weight:	26kDa/31kDa
Gene ID:	1353
UniProt:	Q9Y6N1
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

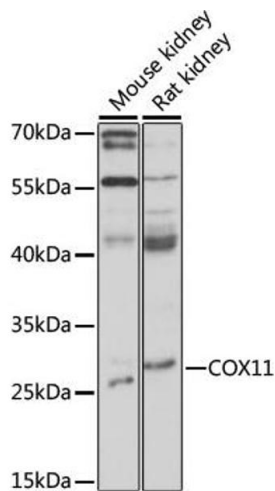
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

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

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using COX11 antibody (ABIN7266513) 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 Basic Kit (RM00020). Exposure time: 30s.