

DNAxPAb

Hard-to-Find  
Antibody

# COX7A2L DNAxPab

Catalog # H00009167-W01P

Size 200 ug

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against a partial-length human COX7A2L DNA using DNAx™ Immune technology.
<b>Technology</b>	<a href="#">DNAx™ Immune</a>
<b>Immunogen</b>	Extracellular membrane domain (ECD) human DNA
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — COX7A2L

Entrez GeneID	<a href="#">9167</a>
GeneBank Accession#	<a href="#">NM_004718.2</a>
Protein Accession#	<a href="#">NP_004709.2</a>
Gene Name	COX7A2L
Gene Alias	COX7AR, COX7RP, EB1, SIG81
Gene Description	cytochrome c oxidase subunit VIIa polypeptide 2 like
Omim ID	<a href="#">605771</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<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 similar to polypeptides 1 and 2 of subunit VIIa in the C-terminal region, and also highly similar to the mouse Sig81 protein sequence. This gene is expressed in all tissues, and upregulated in a breast cancer cell line after estrogen treatment. It is possible that this gene represents a regulatory subunit of COX and mediates the higher level of energy production in target cells by estrogen. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000158765 cytochrome c oxidase subunit VII-related protein estrogen receptor binding CpG island

## Pathway

- [Cardiac muscle contraction](#)
- [Oxidative phosphorylation](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)