

# COX5A Rabbit Polyclonal Antibody



CAB6437

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

14kDa

### Calculated MW:

16kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100 IF 1:10 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22.

## Immunogen information

### Gene ID:

9377

### Uniprot

P20674

### Synonyms:

COX5A; COX; COX-VA; VA

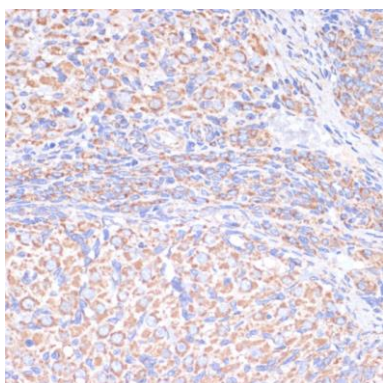
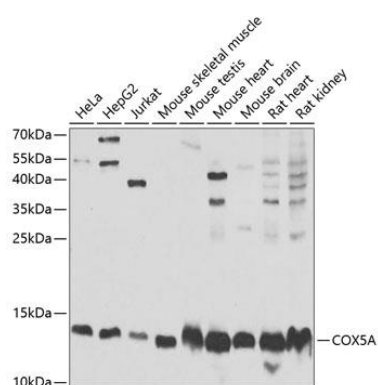
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human COX5A (NP\_004246.2).

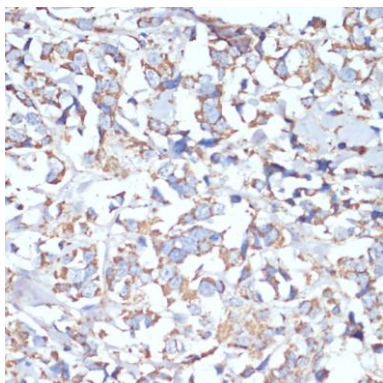
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

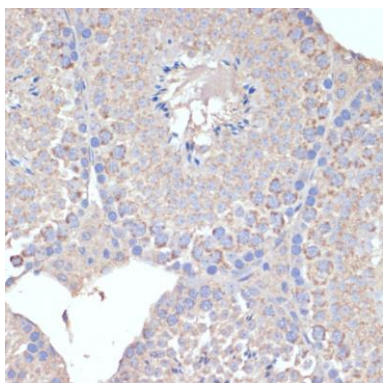
## Product Images



Immunohistochemistry of paraffin-embedded rat ovary using COX5A antibody (CAB6437) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast cancer using COX5A antibody (CAB6437) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using COX5A antibody (CAB6437) at dilution of 1:100 (40x lens).