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## COX4I2 Polyclonal Antibody

| Catalog No: | YT1075 |
| :---: | :---: |
| Reactivity : | Human;Mouse;Rat |
| Applications: | WB;IHC;IF;ELISA |
| Target: | COX4I2 |
| Fields : | >>Oxidative phosphorylation;>>Metabolic pathways;>>Cardiac muscle contraction;>>Thermogenesis;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy |

Gene Name : $\quad$ COX4l2
Protein Name: Cytochrome c oxidase subunit 4 isoform 2 mitochondrial

Human Gene Id: 84701

| Human Swiss Prot | Q96KJ9 |
| :--- | :--- |
| No: |  |
| Mouse Gene Id: | 84682 |
|  |  |
| Mouse Swiss Prot <br> No : |  |
| Rat Gene Id: | 84683 |
|  |  |

Rat Swiss Prot No: Q91Y94

Immunogen : The antiserum was produced against synthesized peptide derived from human COX42. AA range:31-80

Specificity: COX4I2 Polyclonal Antibody detects endogenous levels of COX4I2 protein.

Formulation : Liquid in PBS containing 50\% glycerol, $0.5 \%$ BSA and $0.02 \%$ sodium azide.

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## Source : Polyclonal, Rabbit,IgG

Dilution: WB 1:500-1:2000. IHC 1:100-1:300. IF 1:200-1:1000. ELISA: 1:10000. Not yet tested in other applications.

## Purification : The antibody was affinity-purified from rabbit antiserum by affinity-

 chromatography using epitope-specific immunogen.Concentration :
$1 \mathrm{mg} / \mathrm{ml}$

Storage Stability : $\quad-15^{\circ} \mathrm{C}$ to $-25^{\circ} \mathrm{C} / 1$ year(Do not lower than $-25^{\circ} \mathrm{C}$ )

Observed Band :
20kD

Cell Pathway : Oxidative phosphorylation;Cardiac muscle contraction;Alzheimer's disease;Parkinson's disease;Huntington's disease;

Background :

Function:
function:This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.,similarity:Belongs to the cytochrome c oxidase IV family.,tissue specificity:Highly expressed in lung.,

Subcellular
Location:
Expression:

Mitochondrion inner membrane ; Single-pass membrane protein .

Highly expressed in lung.

## Products Images

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K562 insulin $0.01 \mathrm{U} / \mathrm{ml}^{15}$


Western Blot analysis of K562 insulin $0.01 \mathrm{U} / \mathrm{ml} 15^{\prime}$ cells using COX4I2 Polyclonal Antibody


Immunofluorescence analysis of COS7 cells, using COX42 Antibody. The picture on the right is blocked with the synthesized peptide.


Western blot analysis of lysates from K562 cells, treated with insulin $0.01 \mathrm{U} / \mathrm{ml} 15$ ', using COX42 Antibody. The lane on the right is blocked with the synthesized peptide.

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Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4º overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3 ,Secondary antibody was diluted at 1:200(room temperature, 45 min ).

