

## Recombinant Anti-COX IV antibody (HRP Conjugated)

ZB15250-HRP -20°C

Product Information	
Protein full name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
Synonyms	Cytochrome c oxidase polypeptide IV, Cytochrome c oxidase subunit IV isoform 1, COX IV-1, Cox4i1, Cox4, Cox4a, COX4I1, COX4, COX4-1, COXIV, COXIV-1, COXIV-1, cytochrome c oxidase subunit 4I1
Immunogen	Recombinant protein corresponding to Mouse COX IV
Uniprot ID	P19783
Conjugation	HRP
Purity	Affinity purification
Predicted MW. / Observed MW.	20 kDa / 17 kDa

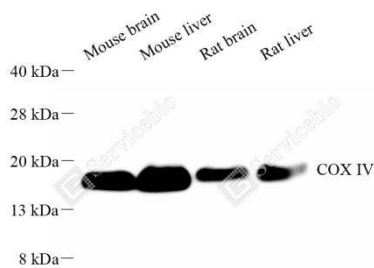
Applications			
Applications	Species	Dilution	Positive Tissue
WB	Mouse, Rat	1: 1000-1: 2000	brain, liver
Incubation condition	After blocking, incubate the membrane with HRP conjugated Anti-COX IV antibody(ZB15250-HRP) for 3-4 hours at room temperature (20-25°C) or overnight at 4°C, and then wash the membrane 3 times for 5 mins each with TBST.		

Storage	
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.

**Background**

COX4I1, also named as COX4 and COXIV-1, belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4I1 is commonly used as a loading control. This antibody was generated against full length COX4I1 protein and cross reacts with COX4I2.

### Images



WB analysis of COX IV(ZB15250-HRP).

Sample: Protein treated by RIPA Lysis Buffer (G2002).

Blocking buffer: 3% Nonfat dry milk (GC310001) in TBST, RT, 1h.

Antibody: HRP conjugated anti-COX IV antibody 1: 2000, 4°C overnight.

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