



# Rabbit Anti-MT-CO3 Polyclonal Antibody (CABT-L508R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	cytochrome c oxidase III peptide
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP, IHC, ELISA Recommended dilution: IHC: 1:50-1:500 WB: 1:300-1:800 IP : 0.5-4.0 µg
<b>Molecular Weight</b>	32-35 kDa
<b>Positive Control</b>	Positive WB detected in mouse brain tissue, C2C12 cell; positive IP detected in mouse heart tissue; positive IHC detected in mouse cerebellum tissue, mouse kidney tissue
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	150 µl
<b>Buffer</b>	0.1M NaHCO <sub>3</sub> , 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

<b>Preservative</b>	0.02% sodium azide
<b>Storage</b>	Store at -20°C. Aliquoting is unnecessary for -20°C storage.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	MTCO3 (cytochrome c oxidase subunit III) is a mitochondrial DNA encoded subunit of respiratory Complex IV which is located within the mitochondrial inner membrane and is the final enzyme of the electron transport chain of mitochondrial oxidative phosphorylation. The predicted MW of MTCO3 is 30 kDa, while it had been observed as 23 kDa in some papers.
<b>Keywords</b>	COIII;COXIII;cytochrome c oxidase III;Cytochrome c oxidase subunit 3;MT CO3;MTCO3

## GENE INFORMATION

<b>Gene Name</b>	MT-CO3
<b>Entrez Gene ID</b>	<a href="#">4514</a>
<b>UniProt ID</b>	<a href="#">P00414</a>