

# Mitochondrial Marker Antibody Sampler Kit

Cat# AK0191

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

## PRODUCT DESCRIPTION

The Mitochondrial Marker Antibody Sampler Kit contains a variety of antibodies directed against established mitochondrial proteins. Cytochrome c oxidase (COX) is a hetero-oligomeric enzyme consisting of 13 subunits localized to the inner mitochondrial membrane. Cytochrome c is a well conserved electron-transport protein and is part of the respiratory chain localized to the mitochondrial intermembrane space. HSP60 has primarily been known as a mitochondrial protein that is important for folding key proteins after import into the mitochondria. In the mitochondria, prohibitins (PHB1) mainly exist as membrane-bound ring complexes and function as chaperones maintaining mitochondrial protein stability during protein synthesis and transportation. In mammalian cells, the pyruvate dehydrogenase complex is located in the mitochondrial matrix. Succinate dehydrogenase (SDH), also known as Complex II or succinate quinone oxidoreductase, is a key component of the citric acid cycle and the electron transport chain. SOD1 is ubiquitously expressed and is localized in the cytosol, nucleus, and mitochondrial intermembrane space. Voltage-dependent anion channel (VDAC), ubiquitously expressed and located in the outer mitochondrial membrane, is generally thought to be the primary means by which metabolites diffuse in and out of the mitochondria.

## PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
<b>A340488</b>	COX4I1 Polyclonal Antibody	20µL	WB, IHC, IF, ELISA	Human	Rabbit
<b>A340496</b>	CYCS Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat, Monkey	Rabbit
<b>A340555</b>	HSP60 Polyclonal Antibody	20µL	WB, IHC ,IF ,ELISA	Human, Mouse, Rat	Rabbit
<b>A340134</b>	PHB Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
<b>A340629</b>	PDHA1 Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
<b>A340666</b>	SDHA Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat	Rabbit

<b>A340678</b>	SOD1 Polyclonal Antibody	20μL	WB, ELISA	Human, Mouse, Rat	Rabbit
<b>A340402</b>	VDAC1 Polyclonal Antibody	20μL	WB, ELISA	Human, Mouse, Rat	Rabbit
<b>A1013s</b>	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120μL	WB, ELISA	Rabbit	Goat

## **PRODUCT USE LIMITATION**

These products are intended for research use only.