



Anti-COX IV Mouse Monoclonal Antibody (14Y2)

Cat #: A01060

Size: 50µl/200µl/200µl×5

Product Information

	Product Name: Anti-COX IV Mouse Monoclonal Antibody (14Y2)		
	Applications: WB, IHC, IF		Isotype: Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: A01060	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: Cytochrome c Oxidase or Complex IV (EC 1.9.3.1) is a large transmembrane protein complex found in bacteria and the mitochondrion. It is the last enzyme in the respiratory electron transport chain of mitochondria (or bacteria) located in the mitochondrial (or bacterial) membrane. It receives an electron from each of four cytochrome c molecules, and transfers them to one oxygen molecule, converting molecular oxygen to two molecules of water.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:3000), IHC (1:50-1:300), IF (1:200).

Storage Buffer: Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

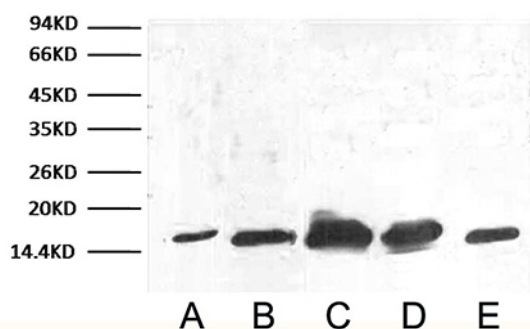


Fig. Western blot analysis (1:2000) of COX IV expression in HepG2(lane A), 293T(lane B), Rat Heart(lane C), Mouse Heart(lane D) and Mouse Muscle tissue Arabidopsis(lane E) with Anti-COX IV Mouse Monoclonal Antibody (14Y2).

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