



ACO2 Polyclonal Antibody

Cat #: ABP57686

Size: 30µl /100µl /200µl

Product Information

	Product Name: ACO2 Polyclonal Antibody		
	Applications: WB, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP57686	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: ACO2 (Aconitase 2) is a Protein Coding gene. Diseases associated with ACO2 include Infantile Cerebellar-Retinal Degeneration and Optic Atrophy 9. Among its related pathways are Metabolism and Citrate cycle (TCA cycle). The protein encoded by ACO2 belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:10000-1:20000).

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

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.

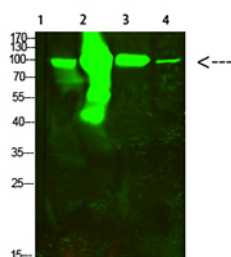


Fig.1. Western Blot analysis of 1, Mouse-kidney 2, Mouse-heart 3, 3T3 4, Hela cells using primary antibody diluted at 1:500 (4°C overnight). Goat Anti-rabbit IgG DyLight 800 (Cat #: A23920) secondary antibody was diluted at 1:5000 at 25°C for 1 hour.

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