For Research Use Only

MTCO2 Polyclonal antibody

Catalog Number:55070-1-AP

Featured Product

109 Publications

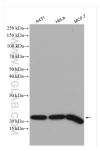


Basic Information	Catalog Number: 55070-1-AP	GenBank Accession Nu YP_003024029	mber:	Purification Method: Antigen affinity purification			
	Size: 150ul , Concentration: 750 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 4513 UNIPROT ID: P00403 Full Name:		Recommended Dilutions: WB 1:2000-1:12000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:4000-1:16000 IF 1:50-1:500			
					cytochrome c oxidase l	I	11 1.30-1.300
					Calculated MW: 26 kDa		
					Observed MW:		
		23-26 kDa					
		Applications	Tested Applications:		Positive Controls:		
			WB, IP, IF, FC, IHC, ELISA				
			Cited Applications: WB, IP, IF, IHC		cells		
Species Specificity:			IP: HeLa cells	, olon cancer tissue,			
human			IF : HepG2 cel				
Cited Species: human, rat, mouse, monkey, zebrafis							
TE buffer pH 9.0; (*) Alternativ retrieval may be performed w							
	buffer pH 6.0						
Background Information	MTCO2, also named as COII, COXII, a component of the respiratory chain the core of the enzyme complex. Subunit	at catalyzes the reduction 2 transfers the electrons subunit 1. Defects in CO	on of oxygen t from cytochro	o water. Subunits 1-3 form the function ome c via its binuclear copper A center			
	MTCO2, also named as COII, COXII, a component of the respiratory chain the core of the enzyme complex. Subunit the bimetallic center of the catalytic (MT-C4D). The antibody is specific to	at catalyzes the reduction 2 transfers the electrons subunit 1. Defects in CO	on of oxygen t from cytochro X2 are a cause	oxidase subunit 2 family. It is the o water. Subunits 1-3 form the function ome c via its binuclear copper A center of mitochondrial complex IV deficient Application			
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	MTCO2, also named as COII, COXII, a component of the respiratory chain th core of the enzyme complex. Subunit the bimetallic center of the catalytic (MT-C4D). The antibody is specific to Author Public Q E Xie 3453	nat catalyzes the reduction 2 transfers the electrons subunit 1. Defects in CO MTCO2. med ID Journal	on of oxygen t s from cytochro X2 are a cause ndrion	o water. Subunits 1-3 form the function ome c via its binuclear copper A center of mitochondrial complex IV deficience Application			
	MTCO2, also named as COII, COXII, a component of the respiratory chain th core of the enzyme complex. Subunit the bimetallic center of the catalytic (MT-C4D). The antibody is specific to Author Publ Q E Xie 3455 Esther Paulo 3455	nat catalyzes the reduction 2 transfers the electrons subunit 1. Defects in CO MTCO2. med ID Journal 71250 Mitoche	on of oxygen t s from cytochro X2 are a cause ndrion	o water. Subunits 1-3 form the function ome c via its binuclear copper A center of mitochondrial complex IV deficient Application WB			
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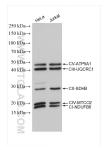
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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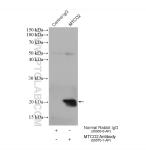
Selected Validation Data



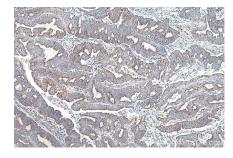
Various lysates were subjected to SDS PAGE followed by western blot with 55070-1-AP (MTCO2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



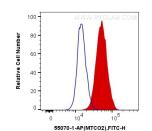
Various lysates were subjected to SDS PAGE followed by western blot with PK30006 (OXPHOS Cocktail (Human recommended)) at dilution of 1:4000 incubated at room temperature for 1 hours.



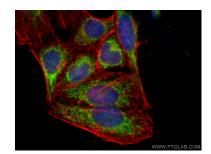
IP result of anti-MTCO2 (IP:55070-1-AP, 4ug; Detection:55070-1-AP 1:1000) with HeLa cells lysate 1880 ug.



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 55070-1-AP (MTCO2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 A431 cells were intracellularly stained with 0.4 ug Anti-Human MTCO2 (55070-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MTCO2 antibody (55070-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594phalloidin (red).