COX1 Recombinant Rabbit Monoclonal Antibody (ARC0960)
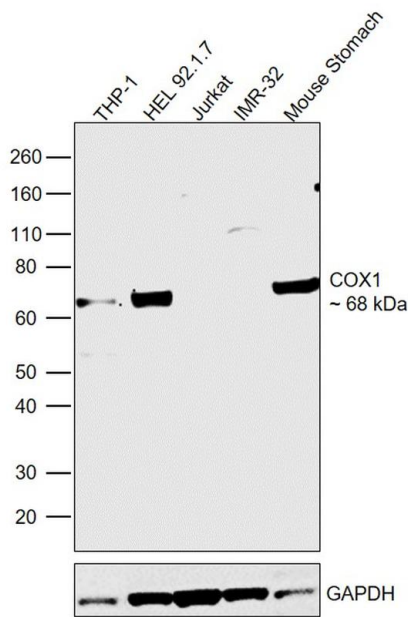
Product Details

Size	100 μL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	ARC0960
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human COX1 /PTGS1 (P23219)
Form	Liquid
Concentration	0.33 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol, 0.05% BSA
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2849380

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

Immunogen sequence: GLDRYQCDCT RTGYSGPNCT IPGLWTWLRN SLRPSPSFTH FLLTHGRWFW EFVNATFIRE MLMRLVLTVR SNLIPSPPTY NSAHDYISWE SFSNVSYYTR I

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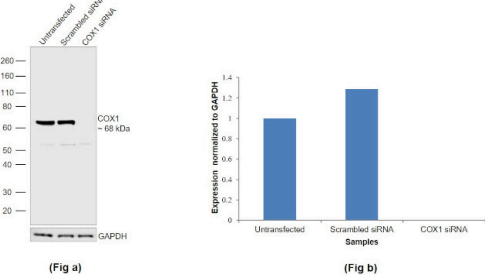
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1

COX1 Antibody (MA5-35479) in WB

Western blot was performed using Anti-COX1 Recombinant Rabbit Monoclonal Antibody (ARC0960) (Product # MA5-35479) and a 68 kDa band corresponding to COX1 was observed. Whole cell extracts (30 μg lysate) of THP-1 (Lane 1), HEL 92.1.7 (Lane 2), Jurkat (Lane 3), IMR-32 (Lane 4) and tissue extract (30 μg lysate) of Mouse Stomach (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX), 12 well. Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Band of interest was not observed for Jurkat and IMR-32 which are reported to express COX1 at low levels.
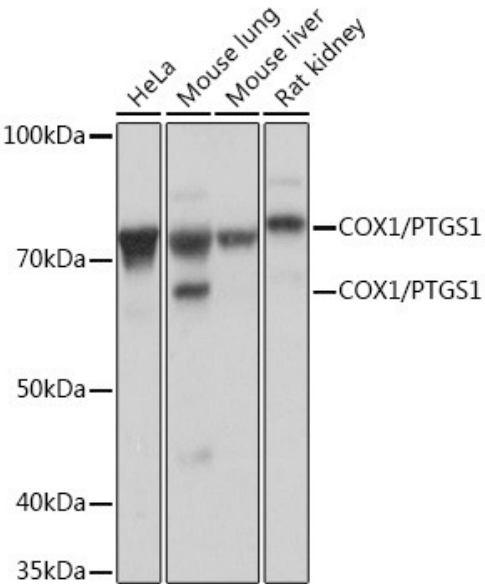

COX1 Antibody (MA5-35479)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. THP-1 cells were transfected with COX1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-COX1 Recombinant Rabbit Monoclonal Antibody (ARC0960) (Product # MA5-35479). {KD}

COX1 Antibody (MA5-35479) in WB

Western blot analysis of COX1 in extracts of various cell lines. Samples were incubated with COX1 Monoclonal antibody (Product # MA5-35479) using a dilution of 1:1,000, followed by HRP Goat Anti-Rabbit IgG (H+L) at a dilution of 1:10,000. Lysates/proteins: 25 μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3s.

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2

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3