

Anti-COX2 Antibody

Catalog #	Source	Reactivity	Applications
CQA2563	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to COX2		
Immunogen	KLH-conjugated synthetic peptide of human COX2		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of COX2 protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)		
Gene Symbol	MT-CO2		
Alternative Names	COII; COXII; MTCO2; Cytochrome c oxidase subunit 2; Cytochrome c oxidase polypeptide II		
Entrez Gene	4513 (Human); 17709 (Mouse)		
SwissProt	P00403 (Human); P00405 (Mouse); P00406 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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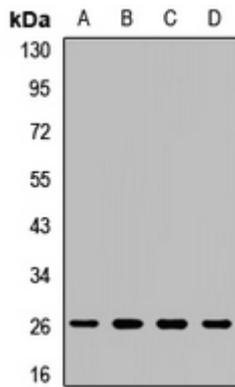
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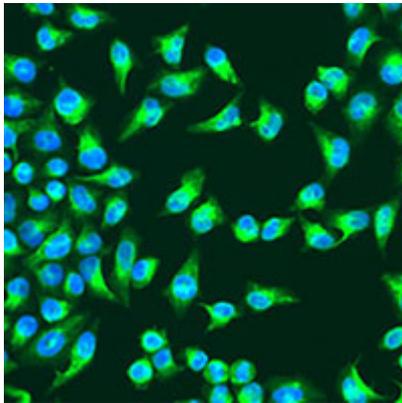
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Product Data Sheet



Western blot analysis of COX2 expression in mouse heart (A), mouse kidney (B), rat liver (C), rat kidney (D) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)



Immunofluorescent analysis of COX2 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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