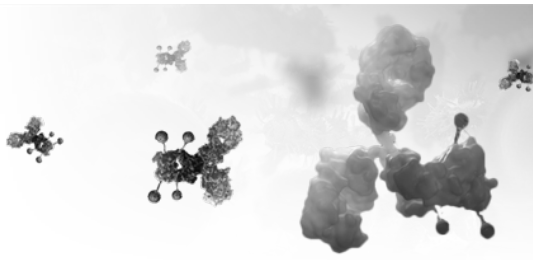

Rabbit Anti-PTGS1 monoclonal antibody, clone TD79-16 (DCABH-2674)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	COX1/Cyclooxygenase 1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD79-16
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, FC, IP
Molecular Weight	69 kDa
Cellular Localization	Microsome membrane, Endoplasmic reticulum membrane.
Positive Control	C2C12, A431, Hela, N2A, L6, mouse skin tissue, mouse brain tissue, human breast cancer tissue, mouse stomach tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Cytochrome c oxidase subunit I, COX1 (also designated COI, MTCO1 or oxidative phosphorylation (OxPhos) Complex IV, subunit I) is one of three mitochondrial DNA (mtDNA) encoded subunits (MTCO1-3) of respiratory Complex IV. Cytochrome c oxidase is a hetero-oligomeric enzyme composed of 13 subunits localized to the mitochondrial inner membrane and is the terminal enzyme complex of the electron transport chain. Complex IV catalyzes the reduction of molecular oxygen to water. The energy released is used to transport protons across the mitochondrial inner membrane. The resulting electro-chemical gradient is necessary for the synthesis of ATP. Complex IV contains 13 polypeptides; COX1, COX2 and COX3 (MTCO1-3) make up the catalytic core and are encoded by mtDNA while subunits IV, Va, Vb, VIa, VIb, VIc, VIIa, VIIb, VIIc and VIII are nuclear-encoded.
Keywords	COX 1;COX 3;COX-1;COX1;Cox3;Cyclooxygenase 1;Cyclooxygenase 3, included;Cyclooxygenase-1;EC 1.14.99.1;Partial COX1 proteins, included;PCOX1;PGG/HS;PGH synthase 1;PGH1_HUMAN;PGHS-1;PGHS1;PHS 1;PHS1;Prostaglandin G/H synthase 1;Prostaglandin H2 synthase 1;Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase);Prostaglandin-endoperoxide synthase 1;PTGHS;PTGS1 antibody

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