

Rabbit Cox1 Polyclonal Antibody | anti-Cox1 antibody

Cox1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328221	Rabbit	Human, Mouse, Rat, Pig	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cox1; Polyclonal Antibody; Cox1 Antibody; COX 1; COX 3; COX-1; COX1; Cox3; Cyclooxygenase 1; Cyclooxygenase 3; included; Cyclooxygenase-1; EC 1.14.99.1; Partial COX1 proteins; 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; anti-Cox1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Pig
Clonality	Polyclonal
Specificity	Cox1 Antibody detects endogenous levels of total Cox1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Cox1 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cox1,corresponding to a region within C-terminal amino acids
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



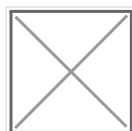
WB (Western Blot)

Western blot analysis of Cox1 expression in HuvEc whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

At 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IF (Immunofluorescence)

At 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-Cox1 antibody	COX-1 May play an important role in regulating or promoting cell proliferation in some normal and neoplastically transformed cells. Homodimer. Belongs to the prostaglandin G/H synthase family. 2 isoforms of the human protein are produced by alternative splicing.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18104967
NCBI GeneID	5742
NCBI Accession #	NP_000953.2
NCBI GenBank Nucleotide #	NP_000953.2
UniProt Accession #	P23219
Molecular Weight	70kDa
NCBI Official Full Name	prostaglandin G/H synthase 1 isoform 1
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 1
NCBI Official Symbol	PTGS1
NCBI Official Synonym Symbols	COX1; COX3; PHS1; PCOX1; PES-1; PGHS1; PTGHS; PGG/HS; PGHS-1
NCBI Protein Information	prostaglandin G/H synthase 1
UniProt Protein Name	Prostaglandin G/H synthase 1
UniProt Gene Name	PTGS1
UniProt Synonym Gene Names	COX1; COX-1; PGH synthase 1; PGHS-1; PHS 1
UniProt Entry Name	PGH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.