

COX-1/Cyclooxygenase-1 Polyclonal Antibody

Catalog number: 13393-1-AP

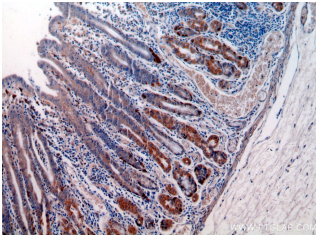
Size: 38 µg/150 µl

Source: Rabbit

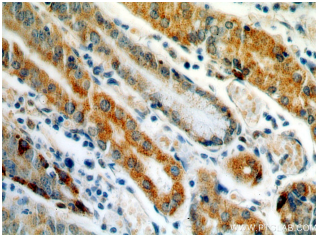
Isotype: IgG

Synonyms:

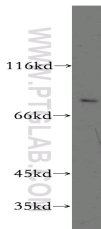
PTGS1; COX1, COX-1, COX3,
Cyclooxygenase 1, P COX1,
PGG/HS, PGH synthase 1,
PGHS 1, PGHS1, PHS 1, PHS1,
Prostaglandin G/H synthase 1,
Prostaglandin H2 synthase 1,
PTGHS, PTGS1



Immunohistochemical of paraffin-embedded human stomach using 13393-1-AP (PTGS1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human stomach using 13393-1-AP (PTGS1 antibody) at dilution of 1:50 (under 40x lens)



mouse lung tissue were subjected to SDS PAGE followed by western blot with 13393-1-AP (PTGS1 antibody) at dilution of 1:200

Background

PTGS1 (Prostaglandin G/H synthase 1) belongs to the prostaglandin G/H synthase family and catalyzes the conversion of arachidonic acid to prostaglandin H₂, which is subsequently metabolized to various biologically active prostaglandins. It is also named as COX1 (Cyclooxygenase-1). There is no PTGS1 expression in fetal samples (prostate, seminal vesicles, or ejaculatory ducts), and only minimal expression in adult tissues (PMID: 10999846).

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated COX-1/Cyclooxygenase-1 MW:	599aa, 69 kDa
Observed COX-1/Cyclooxygenase-1 MW:	72 kDa
Positive WB detected in	Mouse lung tissue, mouse kidney tissue
Positive IHC detected in	Human stomach tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4055
GenBank accession number:	BC029840
Gene ID (NCBI):	5742
Full name:	Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.