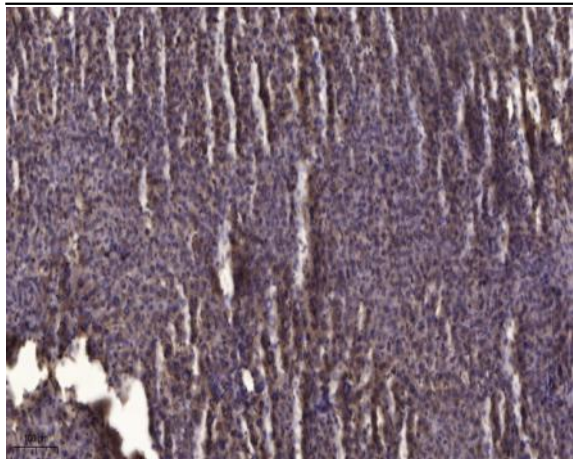


PGI2 synthase Polyclonal Antibody

Catalog No :	YT3690
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	PGI2 synthase
Fields :	>>Arachidonic acid metabolism;>>Metabolic pathways
Gene Name :	PTGIS
Protein Name :	Prostacyclin synthase
Human Gene Id :	5740
Human Swiss Prot No :	Q16647
Mouse Gene Id :	19223
Mouse Swiss Prot No :	O35074
Rat Gene Id :	25527
Rat Swiss Prot No :	Q62969
Immunogen :	Synthesized peptide derived from the C-terminal region of human PGI2 synthase.
Specificity :	PGI2 synthase Polyclonal Antibody detects endogenous levels of PGI2 synthase protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year (Do not lower than -25°C)
Observed Band :	57kD
Cell Pathway :	Arachidonic acid metabolism;
Background :	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. However, this protein is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostaglandin H2 to prostacyclin (prostaglandin I2), a potent vasodilator and inhibitor of platelet aggregation. An imbalance of prostacyclin and its physiological antagonist thromboxane A2 contribute to the development of myocardial infarction, stroke, and atherosclerosis. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:(5Z,13E)-(15S)-9- α ,11- α -epidioxy-15-hydroxyprosta-5,13-dienoate = (5Z,13E)-(15S)-6,9- α -epoxy-11- α ,15-dihydroxyprosta-5,13-dienoate., cofactor:Heme group., function:Catalyzes the isomerization of prostaglandin H2 to prostacyclin (= prostaglandin I2)., online information:CYP8A1 alleles, similarity:Belongs to the cytochrome P450 family., tissue specificity:Widely expressed; particularly abundant in ovary, heart, skeletal muscle, lung and prostate.,
Subcellular Location :	Endoplasmic reticulum membrane ; Single-pass membrane protein .
Expression :	Widely expressed; particularly abundant in ovary, heart, skeletal muscle, lung and prostate.

Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).