

Anti-PTGIS Antibody

Catalog # AP54081

Product Information

Application WB Primary Accession Q16647

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW57104

Additional Information

Gene ID 5740

Other Names CYP8; CYP8A1; Prostacyclin synthase; Prostaglandin I2 synthase

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the

C-term region of human PTGIS. The exact sequence is proprietary.

Dilution WB~~1/500 - 1/1000

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name PTGIS

Synonyms CYP8, CYP8A1

Function Catalyzes the biosynthesis and metabolism of eicosanoids. Catalyzes the

isomerization of prostaglandin H2 to prostacyclin (= prostaglandin I2), a potent mediator of vasodilation and inhibitor of platelet aggregation

(PubMed: 12372404, PubMed: 15115769, PubMed: 18032380,

PubMed: 25623425). Additionally, displays dehydratase activity, toward

hydroperoxyeicosatetraenoates (HPETEs), especially toward

(15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)- HPETE)

(PubMed: 17459323).

Cellular Location Endoplasmic reticulum membrane {ECO:0000250 | UniProtKB:Q29626};

Single-pass membrane protein

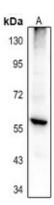
Tissue Location Widely expressed; particularly abundant in ovary, heart, skeletal muscle, lung

and prostate

Background

Rabbit polyclonal antibody to PTGIS

Images



Western blot analysis of PTGIS expression in rat prostate (A) whole cell lysates.

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