

A7341

Leader in Biomolecular Solutions for Life Science



## COX1/PTGS1 Rabbit pAb

Catalog No.: A7341

1 Publications

### Basic Information

#### Observed MW

69kDa

#### Calculated MW

69kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### Background

This is one of two genes encoding similar enzymes that catalyze the conversion of arachidonate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. Based on its ability to function as both a cyclooxygenase and as a peroxidase, the encoded protein has been identified as a moonlighting protein. The protein may promote cell proliferation during tumor progression. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:100 - 1:200
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

5742

#### Swiss Prot

P23219

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human COX1/COX1/PTGS1 (NP\_001258094.1).

#### Synonyms

COX1; COX3; PHS1; PCOX1; PES-1; PGHS1; PTGHS; PGG/HS; PGHS-1; COX1/PTGS1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

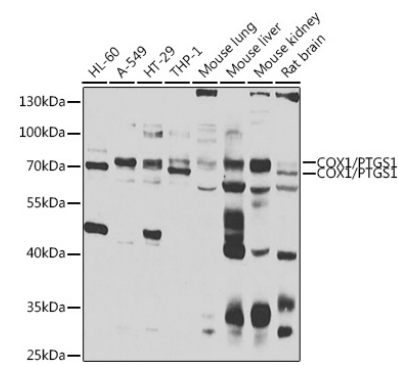
Affinity purification

#### Storage

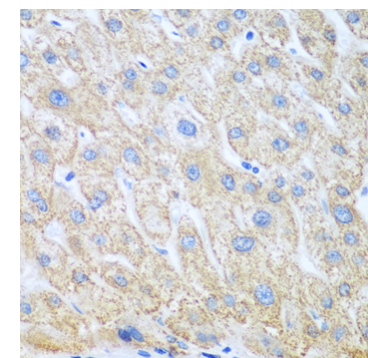
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

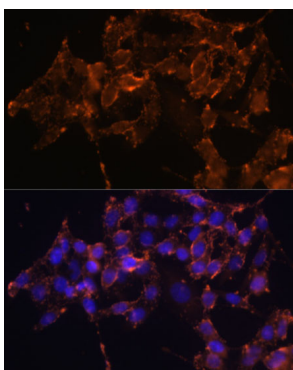
# Validation Data



Western blot analysis of extracts of various cell lines, using COX1/COX1/PTGS1 antibody (A7341) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 15s.



Immunohistochemistry analysis of paraffin-embedded human liver cancer using COX1/COX1/PTGS1 antibody (A7341) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of HeLa cells using COX1/COX1/PTGS1 Polyclonal Antibody (A7341) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.