

PTGS1 Rabbit Polyclonal Antibody

Catalog No: #55188

Package Size: #55188-1 50ul #55188-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

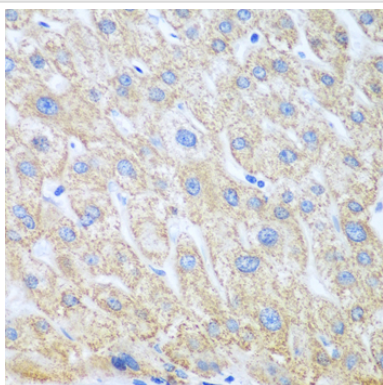
Description

Product Name	PTGS1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human PTGS1 (NP_001258094.1).
Conjugates	Unconjugated
Other Names	PTGS1;COX1;COX3;PCOX1;PES-1;PGG/HS;PGHS-1;PGHS1;PHS1;PTGHS
Accession No.	Swiss Prot:P23219GenelD:5742
Calculated MW	56kDa/61kDa/64kDa/68kDa/71kDa/72kDa
SDS-PAGE MW	69kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

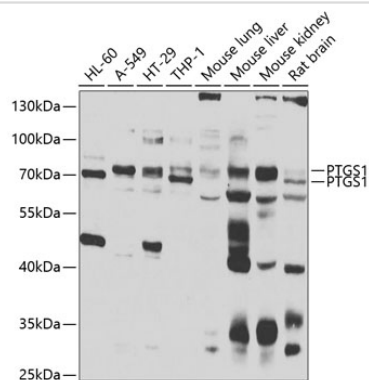
Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200IF□1:50 - 1:200

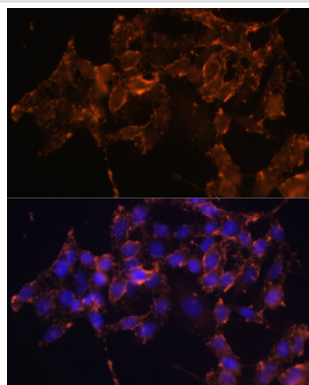
Images



Immunohistochemistry of paraffin-embedded human liver cancer using PTGS1 at dilution of 1:100 (40x lens).



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



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

Background

This is one of two genes encoding similar enzymes that catalyze the conversion of arachinodate 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.