

## Catalog #: 5202

### Aliases

PTGS1; Prostaglandin-Endoperoxide Synthase 1; PGHS-1; COX1; Cyclooxygenase-1; PTGHS; Prostaglandin-Endoperoxide Synthase 1 (Prostaglandin G/H Synthase And Cyclooxygenase); Prostaglandin G/H Synthase 1; Prostaglandin H2 Synthase 1; PGH Synthase 1; EC 1.14.99.1; EC 1.14.99; PGG/HS; PCOX1; PES-1; PGHS1; COX-1; PHS 1; COX3; PHS1

### Background

Gene Name: PTGS1

NCBI Gene Entry: [5742](#)

UniProt Entry: [P23219](#)

### Application Information

Molecular Weight: Predicted, 69 kDa; observed, 69 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB135

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

### Immunogen

A synthesized peptide derived from human COX1/Cyclooxygenase 1

### Isotype

Rabbit IgG

### Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

### Storage

Store at -20 °C for one year.

### Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:1,000

Immunocytochemistry (IC): 1:100-1:1,000

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#### SUPPORT

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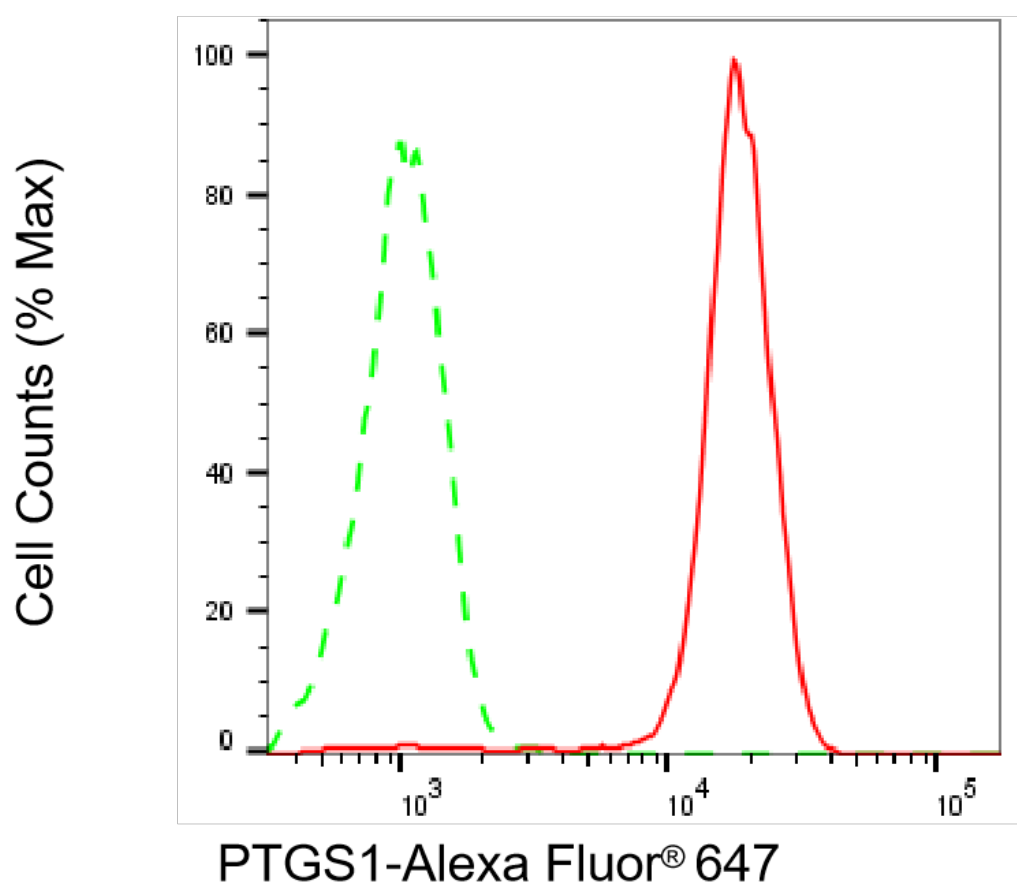
#### ORDERS

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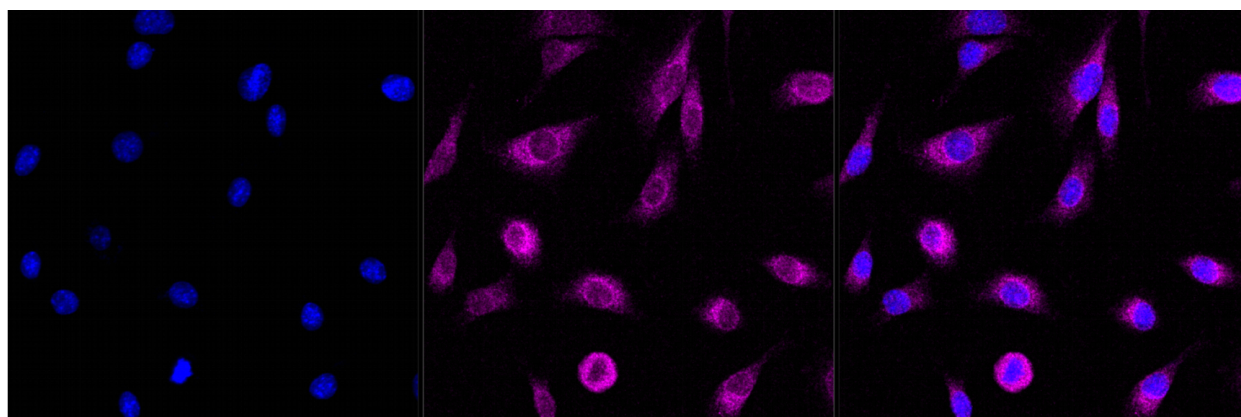
**Note:** This product is for research use only.

## Validation Data



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Flow cytometric analysis of PTGS1 expression in C2C12 cells using anti-PTGS1 antibody (Cat#5202, 1:2,000). Green, isotype control; red, PTGS1.



Immunocytochemical staining of C2C12 cells with anti-PTGS1 antibody (Cat#5202, 1:1,000). Nuclei were stained blue with DAPI; PTGS1 was stained magenta with Alexa Fluor® 647. Images

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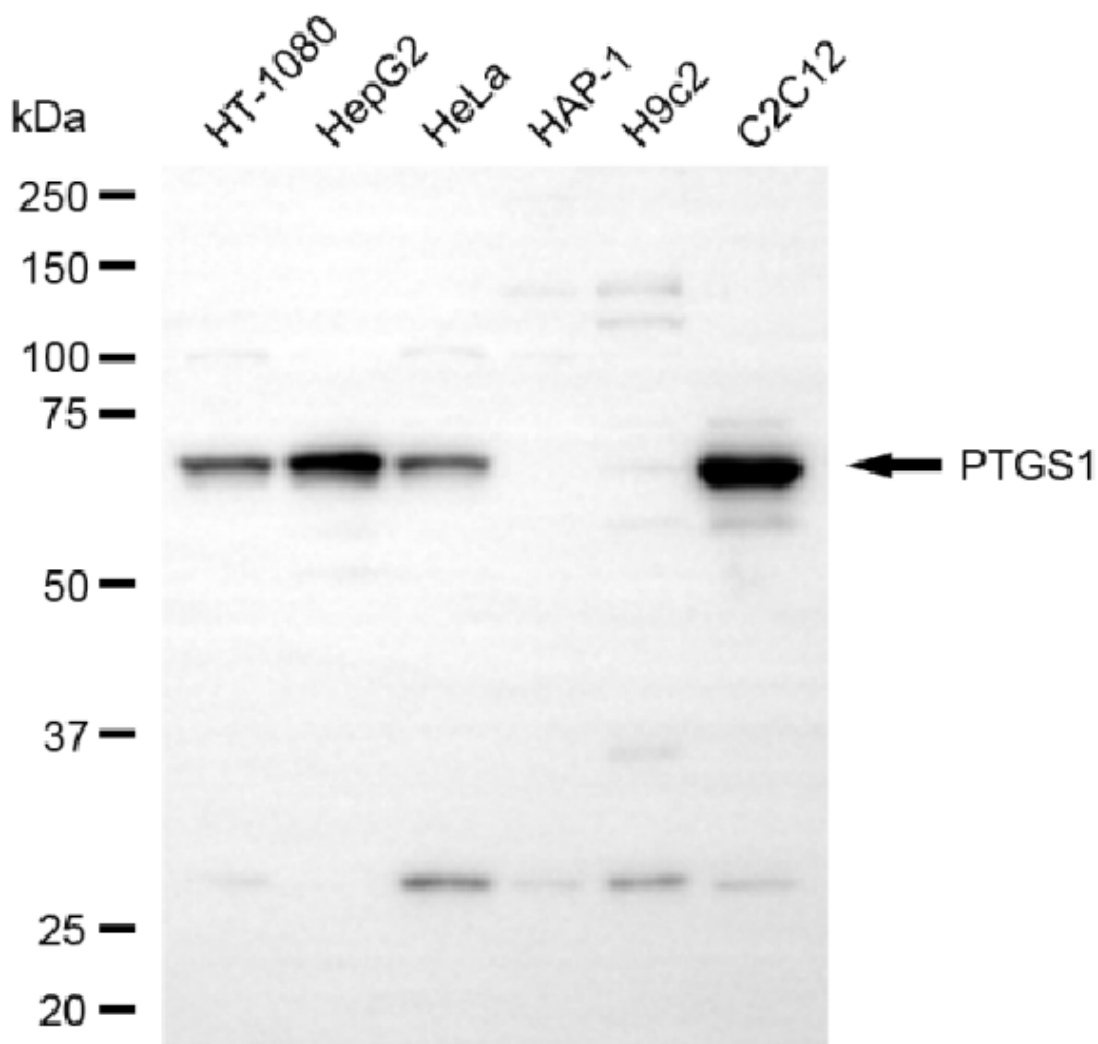
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were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.



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Western blotting analysis using anti-PTGS1 antibody (Cat#5202). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PTGS1 antibody (Cat#5202, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).