

**Cyclooxygenase 1 Antibody**  
**Catalog # ASM10561****Specification****Cyclooxygenase 1 Antibody - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">P23219</a>
Other Accession	<a href="#">NP_000953.2</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
<b>Description</b>	
Rabbit Anti-Human Cyclooxygenase 1 Polyclonal	

**Target/Specificity**

Detects ~75 kDa.

**Other Names**

EC:1.14.99.1 Antibody, PGHS1 Antibody, Prostaglandin G/H synthase 1 Antibody, PGHS-1 Antibody, Prostaglandin H2 synthase 1 Antibody, Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) Antibody, PHS 1 Antibody, EC 1.14.99.1 Antibody, Prostaglandin-endoperoxide synthase 1 Antibody, COX 3 Antibody, PTGS1 Antibody, PGH1\_HUMAN Antibody, COX-1 Antibody, PGG/HS Antibody, PTGHS Antibody, Cox3 Antibody, PGH synthase 1 Antibody, Cyclooxygenase-1 Antibody, PHS1 Antibody, Cyclooxygenase 1 Antibody, Cyclooxygenase 3, included Antibody, Partial COX1 proteins, included Antibody, COX 1 Antibody, COX1 Antibody, PCOX1 Antibody

**Immunogen**

Synthetic peptide of Human Cyclooxygenase

**Purification**

Peptide Affinity Purified

Storage -20°C

**Storage Buffer**

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C****Certificate of Analysis**

A 1:1000 dilution of SPC-707 was sufficient for detection of Cyclooxygenase in 15 µg of Human HeLa Cell Lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

**Cellular Localization**

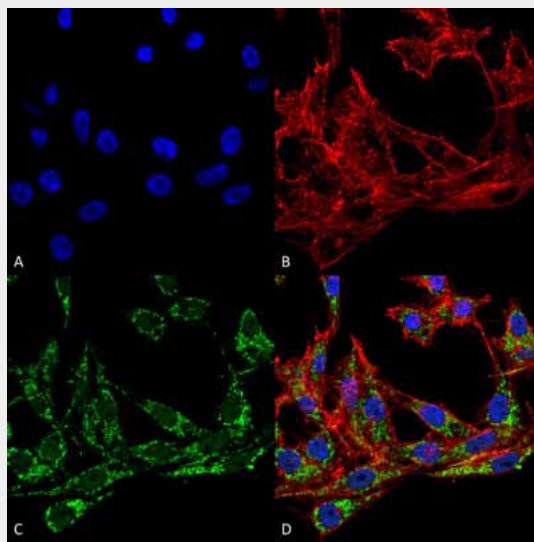
Microsome Membrane | Peripheral Membrane Protein | Endoplasmic Reticulum Membrane | Peripheral Membrane Protein

**Cyclooxygenase 1 Antibody - Protocols**

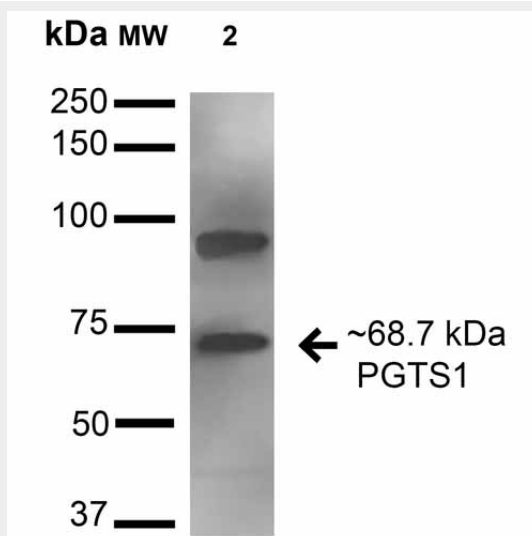
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Cyclooxygenase 1 Antibody - Images

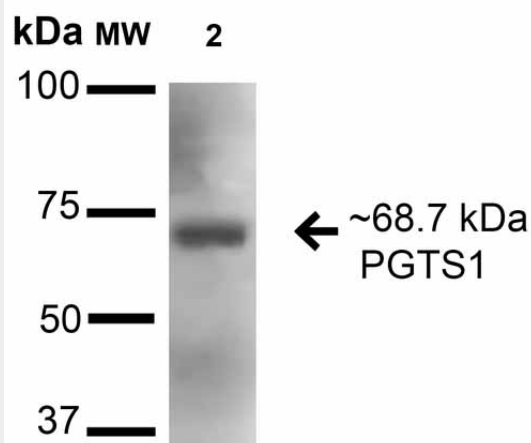


Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561). Tissue: Colon carcinoma cell line (RKO). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Microsome Membrane, Endoplasmic Reticulum Membrane, Membrane. Magnification: 60X. (A) DAPI nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Cyclooxygenase 1 Antibody. (D) Composite.

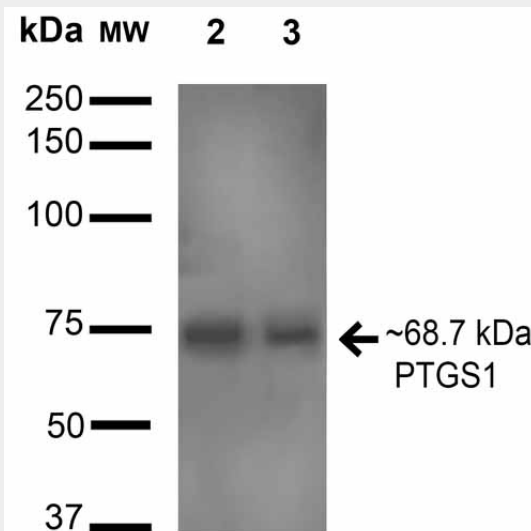


Western blot analysis of Human HeLa and 293Trap cell lysates showing detection of 68.7 kDa

Cyclooxygenase 1 protein using Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561). Lane 1: Molecular Weight Ladder (MW). Lane 2: Human HeLa and 293Trap cell lysates. Load: 15  $\mu$ g. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561) at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 68.7 kDa.



Western blot analysis of Mouse Kidney cell lysates showing detection of 68.7 kDa Cyclooxygenase 1 protein using Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Kidney cell lysates. Load: 15  $\mu$ g. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561) at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 68.7 kDa.



Western blot analysis of Rat Brain cell lysates showing detection of 68.7 kDa Cyclooxygenase 1 protein using Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain cell lysates. Load: 15  $\mu$ g. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561) at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 68.7 kDa.