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Cyclooxygenase 1 Antibody
Catalog # ASM10561

Specification

Cyclooxygenase 1 Antibody - Product Information

Application	**ICC/IF, WB**
Primary Accession	P23219
Other Accession	NP_000953.2
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**

Description
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

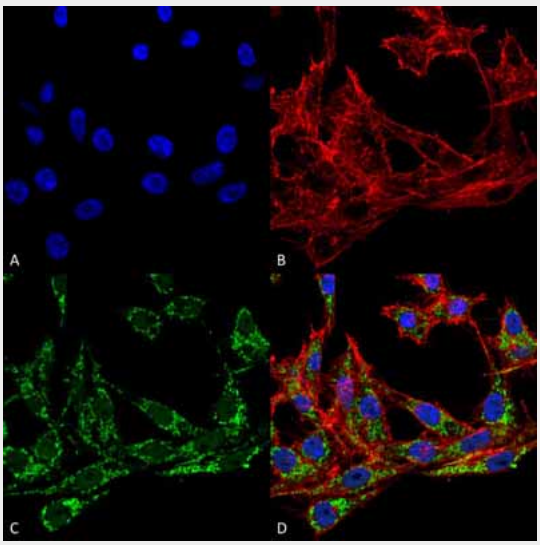
Immunogen
Synthetic peptide of Human Cyclooxygenase

Purification
Peptide Affinity Purified

Storage	**-20ºC**

Storage Buffer
PBS, 50% glycerol, 0.09% sodium azide

Shipping	**Blue Ice or 4ºC**



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.

Temperature

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.

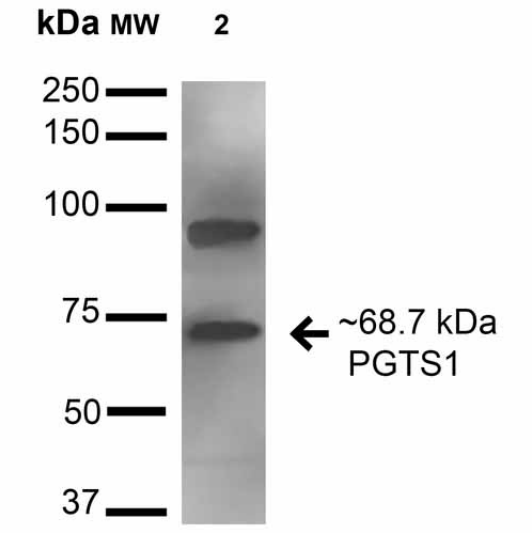
Cellular Localization

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

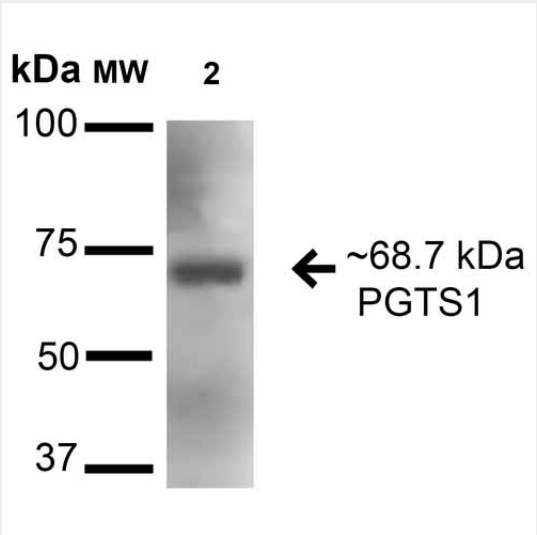
Cyclooxygenase 1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



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 µg. 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

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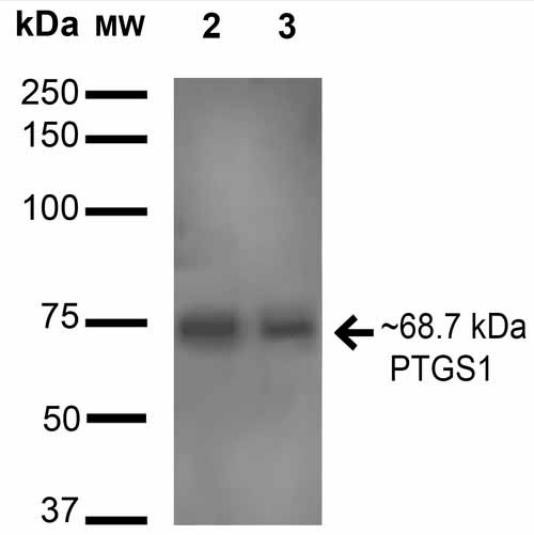
lysates. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Cyclooxygenase 1 Polyclonal Antibody (ASM10561) at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed 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 µg. 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.