
COX-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251224

Unit: 0.1 mg

Description:

Cyclooxygenase-1 (COX-1) is responsible for formation of important biological mediators called prostanoids, including prostaglandins, prostacyclin and thromboxane. Classical non-steroidal anti-inflammatory drugs (NSAIDS) inhibit COX-1 and COX-2, which reduces inflammation and induces an analgesic effect. The non-selective pharmacological inhibition of COX-1 has been shown to be a main cause of the gastrointestinal (GI) tract irritation associated with classical NSAIDS as the prostaglandins produced by COX-1 are involved in the maintenance of gastric mucosa. Newer generation anti-inflammatory drugs which selectively inhibit COX-2 have been shown to have minimal GI tract irritation.

Isotype: Rabbit Ig

Applications: E, WB, IHC, IP

Species Reactivity: H, M, R, Ck

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: COX-1; Prostaglandin-endoperoxide synthase-1; Prostaglandin G/H synthase 1; Cyclooxygenase-1; Prostaglandin H2 synthase 1; PGH synthase 1; PGHS-1; PHS 1; PTGS1; COX1

Accession No.: P23219

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human COX-1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IP: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.