PRODUCT INFORMATION

COX-1 (ovine) Polyclonal Antibody
Item No. 160108

Overview and Properties

Contents: This vial contains 200 µl of lyophilized antiserum.
Synonyms: Cyclooxygenase-1, PGHS-1, Prostaglandin H Synthase I
Immunogen: Peptide from an internal region of ovine COX-1
Cross Reactivity: (-) Ovine, human, and mouse COX-2
Species Reactivity: (+) Ovine seminal vesicle, human, bovine endothelial, and porcine COX-1
Uniprot No.: P05979
Form: Solid
Storage: -20°C (as supplied)
Storage Buffer: Lyophilized from serum, resuspend in 200 µl in double distilled water.
Stability: ≥1 year
Host: Rabbit
Applications: Western blot (WB); the recommended starting dilution for WB is 1:500. Suitable for immunofluorescence and immunohistochemistry working dilution should be determined empirically.

Description

COX-1 catalyzes the first step in the biosynthesis of prostaglandins, thromboxanes, and prostacyclins: the conversion of arachidonic acid (Item No. 90010) to prostaglandin H2 (Item No. 17020). COX-1 is constitutively expressed in almost all animal tissues and is involved in the homeostatic role of eicosanoids.1,2 COX-1 is a 70 kDa protein which has been cloned from a variety of species including human, mouse, rat, and sheep.3-6

References