Overview and Properties

Contents: This vial contains 500 µl of peptide affinity-purified antibody.
Synonyms: Cyclooxygenase 1, PGHS-1, Prostaglandin H Synthase 1
Immunogen: Peptide from the internal region of mouse COX-1
Cross Reactivity: (-) COX-2
Species Reactivity: (+) Mouse and ovine; (-) Human; other species not tested
Uniprot No.: P22437
Form: Liquid
Storage: -20°C (as supplied)
Stability: ≥1 year
Storage Buffer: PBS, pH 7.2, with 50% glycerol and 0.02% sodium azide
Host: Rabbit
Application: Western blot; the recommended starting dilution is 1:200. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Image

Lane 1: Rat brain homogenate (30 µg)
Description

COX-1 is responsible for the production of prostaglandins essential for the normal function of many organs including the stomach and kidney. COX-1 is generally described as being constitutively expressed, although COX-1 expression is regulated developmentally and in response to a variety of other stimuli.\(^1\)\(^-\)\(^5\) Mouse COX-1 has a molecular weight of 70,000 and is expressed in nearly all tissues of the body.\(^1\)\(^,\)\(^6\)

References