**PRODUCT INFORMATION**

**COX-1 (mouse) Polyclonal Antibody**
*Item No. 160109*

**Overview and Properties**

**Contents:** This vial contains 500 µl of peptide affinity-purified IgG.

**Synonyms:** Cyclooxygenase 1, PGHS-1, Prostaglandin H Synthase 1

**Immunogen:** Peptide from the internal region of mouse COX-1

**Cross Reactivity:** (-) COX-2 (all species)

**Species Reactivity:** (+) Mouse and rat COX-1; (-) Human and ovine COX-1

**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. Mouse COX-1 has a molecular weight of 70,000 and is expressed in nearly all tissues of the body.

**References**