

Cox-3 Polyclonal Antibody

CATALOG NO: 3687-30T 30 µg (Trial size)
3687-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide mapping to the N-terminus of mouse Cox-3 (ID# BV-212).

SPECIES REACTIVITY: Mouse

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

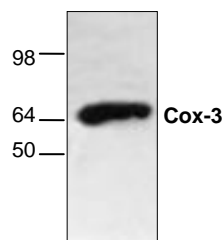
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

COX proteins are membrane-associated heme proteins that have cyclooxygenase and peroxidase activities. These enzymes are targets of NSAID (Nonsteroidal anti-inflammatory drugs) such as aspirin. Prostaglandins (PGs) formed by the enzymatic activity of COX-1 are primarily involved in the regulation of homeostatic functions throughout the body, whereas PGs formed by COX-2 primarily mediate pain, fever, and inflammation. COX-1 is constitutively expressed, with particularly high expression in gastrointestinal tissues. COX-2 is induced by cytokines and mitogens and is likely to play a role in inflammatory diseases such as rheumatoid arthritis. In rodents and humans, COX-3 encodes proteins with completely different amino acid sequences than COX-1 or COX-2 and without COX activity. It has been suggested COX-3 as the key to unlocking the mystery of the mechanism of action of acetaminophen.

APPLICATION & USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3687BP-50) is available separately.



Cat.#:3687-100
Western blot analysis of Cox-3 with mouse small intestine tissue lysate.

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