Goat Anti-COX-2 (human) Affinity-Purified Polyclonal Antibody
Item No. 100034

Contents: This vial contains 200 µg peptide affinity-purified IgG in 200 µl TBS, pH 7.4, containing 50% glycerol, 0.1% BSA, and 0.02% sodium azide.

Synonyms: Cyclooxygenase-2, PGHS-2, Prostaglandin H Synthase-2

Host: Goat

Antigen: Human COX-2 amino acids 578-596; the antigen alignment with other known species sequences:
- Human TINASSSRSGLDDINPTVL
- Ovine TINASSSRSGLDDINPTVL
- Marine TINASSSRSGLDDINPTVL

Cross-reactivity: (+) Human > ovine > mouse > rat COX-2; other species were not tested; (-) COX-1 (all species); this antibody detects human COX-2 with the greatest sensitivity followed by ovine and then mouse and rat; mouse and rat immunochemical analysis is not recommended with this antibody.

Storage: ≥1 year at -20°C

Applications: Recommended starting dilutions: western blotting - 2 µg/ml; immunohistochemistry (formalin-fixed paraffin-embedded sections) - 1-2 µg/ml; immunocytochemistry - 1-2 µg/ml; other applications were not attempted and therefore optimal working dilutions should be determined empirically. Use with Cayman Item No. 360107 for antigenic blocking experiments.

Cyclooxygenase (COX) catalyzes the first step in the biosynthesis of prostaglandins (PGs), thromboxanes, and prostacyclins: the conversion of arachidonic acid to PGH2. Discoveries of the endoperoxide H synthases (cyclooxygenases)-1 and -2.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/100034

WARNING: This product is for laboratory research only; not for administration to humans, not for human or veterinary diagnostic or therapeutic use.

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.