OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP00118PU-N Polyclonal Antibody to Cyclooxygenase 2 - Aff - Purified

Alternate names: COX2, Cyclooxygenase-2, PGH synthase 2, PGHS-2, PGHS2, PHS II, PTGS2, Prostaglandin G/H synthase 2, Prostaglandin H2 synthase 2, Prostaglandin-endoperoxide synthase 2

Quantity: 0.1 mg

Concentration: 0.5 mg/ml

Background: 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.

Uniprot ID: P35354

NCBI: NP_000954.1

GeneID: 5743

Host: Rabbit

Immunogen: Synthetic peptide mapping to the C-terminus of Human Cox-2

Format: **State:** Liquid purified Ig fraction.
Purification: Affinity Chromatography.
Buffer System: PBS containing 30% Glycerol, 0.5% BSA as stabilizer and 0.01% Thimerosal as preservative.

Applications: Western Blot: 0.5 - 4 µg/ml.
Jurkat cell lysate can be used as a positive control.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The antibody recognizes 66 kDa Cox-2.
It does not cross-react with Cox-1.
Species: Human, Bovine, Sheep and Horse.
Other species not tested.

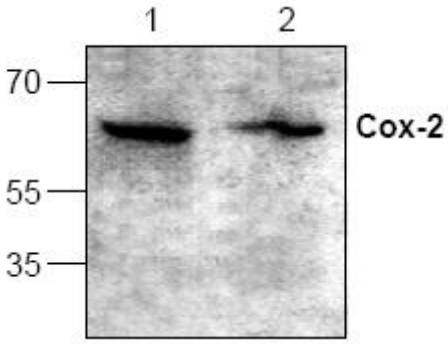
Add. Information: Blocking peptide (cat.-no. AP00118CP-N) is also available.

Storage: Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -20°C to -70°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Pictures:

Western blot analysis of Cox-2 expression in Jurkat cell lysates.



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