

AP00118CP-N**Cox-2 Blocking Peptide****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:

50 µg

Concentration:

0.2 mg/ml

Background:

COX2 (Cyclooxygenase 2) is an inducible enzyme. It is involved in the response of cells to growth factors, tumor promoters, and cytokines that induce its expression. Given its role in synthesizing prostaglandins, COX2 is therefore of interest in studying immune response regulation. COX2 is induced by a wide variety of stimuli and was initially identified as immediate early growth response gene. In addition, COX2 expression markedly increased in 85-90% of human colorectal adenocarcinoma whereas COX1 levels remain unchanged.

Uniprot ID:

[P35354](#)

NCBI:

[NP_000954](#)

GeneID:

[5743](#)

Format:

State: Liquid peptide

Buffer System: PBS, pH 7.2, containing 0.1% BSA and 0.02% thimerosal

Applications:

Western blot: It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Control peptide for antibody AP00118PU-N only.

Storage:

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