

COX-2 (T594) polyclonal antibody

Catalog: BS1076

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Prostaglandins are a diverse group of autocrine and paracrine hormones that mediate many cellular and physiological processes. Prostaglandin H2 (PGH2) is an intermediate in formation of the prostaglandins. Two prostaglandin synthases that catalyze the formation of PGH2 from arachidonic acid (AA) are cyclooxygenase-1 and cyclooxygenase-2. Cyclooxygenase-2, or Cox-2, is efficiently induced in migratory cells responding to pro-inflammatory stimuli and is considered to be an important mediator of inflammation. An alternative form of the protein, designated Cox-1, is constitutively expressed in most tissues and is thought to serve in general "house-keeping" functions. Both enzymes are targets for the non-steroidal therapeutic anti-inflammatory drugs, NSAIDs.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 74 kDa

Swiss-Prot:

P35354

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

Storage&Stability:

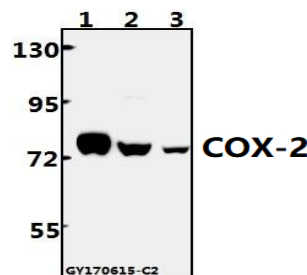
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

COX-2 (T594) polyclonal antibody detects endogenous levels of COX-2 protein.

DATA:

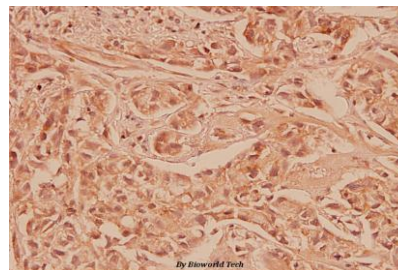


Western blot (WB) analysis of COX-2 (T594) polyclonal antibody at 1:500 dilution

Lane1:CT26 whole cell lysate(20ug)

Lane2:PC12 whole cell lysate(40ug)

Lane3:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of COX-2 (T594) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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