

IHCAb™ COX-2 (cyclooxygenase-2) (BGT-COX2) mouse mAb

Cat #: B-IMW6677

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis.

Product Information

Applications/Dilution: WB 500-2000 IHC-p 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2b, Kappa

Specificity: This antibody detects endogenous levels of human Prostaglandin G/H synthase 2 (EC 1.14.99.1) (Cyclooxygenase-2) (COX-2) (PHS II) (Prostaglandin H2 synthase 2) (PGH synthase 2) (PGHS-2) (Prostaglandin-

Subcellular Location: Microsome membrane ; Peripheral membrane protein. Endoplasmic reticulum membrane ; Peripheral membrane protein. Nucleus inner membrane ; Peripheral membrane protein. Nucleus outer membrane ; Peripheral membrane protein. Detected on the luminal side of the endoplasmic reticulum and nuclear envelope

Expression: Endothelial cell, Epidermal keratinocytes in primary culture, Lung, Pe

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -15°C to -25°C

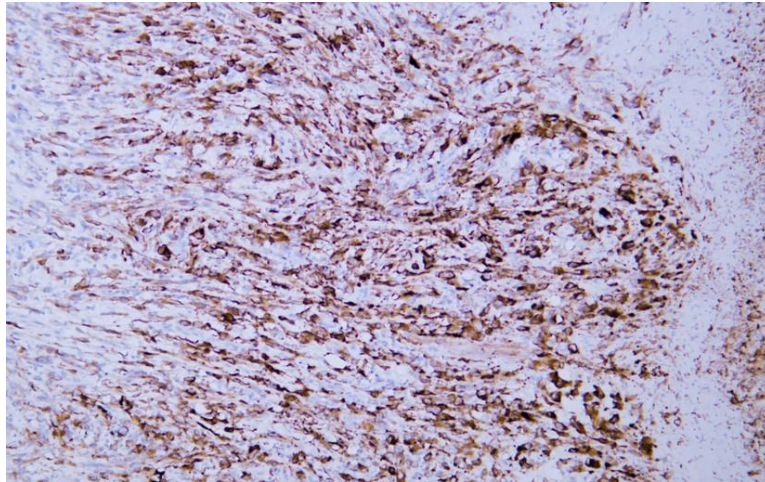


Fig. Human colon carcinoma tissue was stained with Anti-COX-2 (BGT-COX2) Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.