Product datasheet

Anti-COX2/Cyclooxygenase 2/PTGS2 Antibody

Catalog Number: *BA3708*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-COX2/Cyclooxygenase 2/PTGS2 Antibody
Gene Name	PTGS2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human COX2.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	75 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Cyclooxygenase(Cox) is the key enzyme in conversion of arachidonic acid to PGs, and two isoforms, Cox-1 and Cox-2, have been identified. Cox-2 gene encodes an inducible prostaglandin synthase enzyme that is overexpressed in adenocarcinomas and other tumors. Deletion of the murine Cox-2 gene in Min mice reduced the incidence of intestinal tumors, suggesting that it is required for tumorigenesis. This gene is localized to sites associated with retinal blood vessels, and plays an important role in blood vessel formation in the retina. And the glucocorticoid receptor suppression of COX-2 is also crucial for curtailing lethal immune activation, and suggest new therapeutic approaches for regulation of T-cell-mediated inflammatory diseases.

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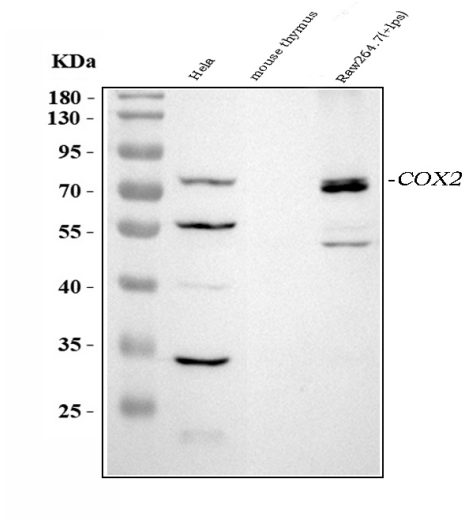
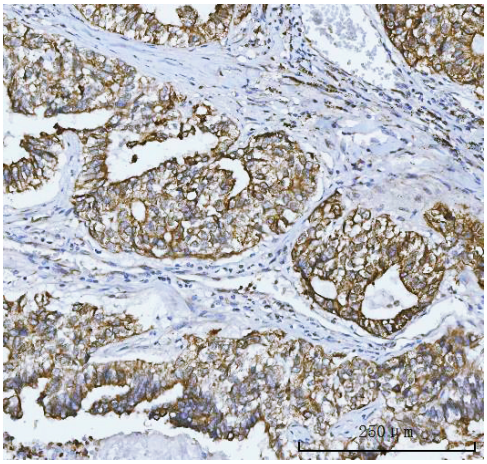
Reference

Anti-COX2/Cyclooxygenase 2/PTGS2 Antibody被引用在39文献中。

Selected Validation Data



Western blot analysis of COX2/Cyclooxygenase 2/PTGS2 using anti-COX2/Cyclooxygenase 2/PTGS2 antibody (BA3708). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: mouse thymus tissue lysates,
Lane 3: mouse RAW264.7(+lps） whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-COX2/Cyclooxygenase 2/PTGS2 antigen affinity purified polyclonal antibody (BA3708) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for COX2/Cyclooxygenase 2/PTGS2 at approximately 75 kDa. The expected band size for COX2/Cyclooxygenase 2/PTGS2 is at 69 kDa.



IHC analysis of COX2/Cyclooxygenase 2/PTGS2 using anti-COX2/Cyclooxygenase 2/PTGS2 antibody (BA3708). COX2/Cyclooxygenase 2/PTGS2 was detected in a paraffin-embedded section of human lung adenocarcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-COX2/Cyclooxygenase 2/PTGS2 Antibody (BA3708) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.