

A3560

Leader in Biomolecular Solutions for Life Science



COX2/PTGS2 Rabbit mAb

Catalog No.: A3560

Recombinant

19 Publications

Basic Information

Observed MW

72kDa

Calculated MW

69kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0800

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.

Recommended Dilutions

| | |
|-------|----------------|
| WB | 1:500 - 1:2000 |
| IHC-P | 1:50 - 1:200 |

Immunogen Information

Gene ID

5743

Swiss Prot

P35354

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 505-604 of human COX2/PTGS2 (P35354).

Synonyms

COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS; COX2/PTGS2

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

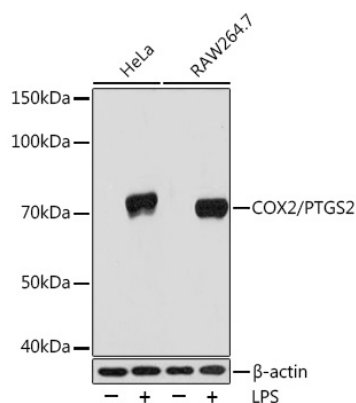
Affinity purification

Storage

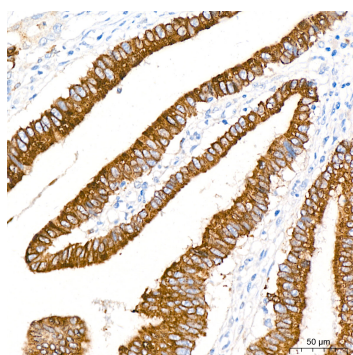
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

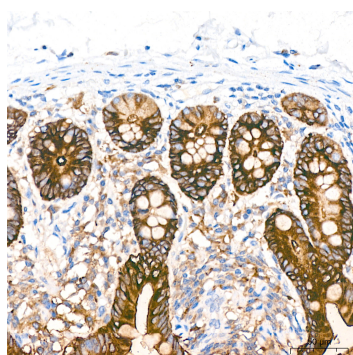
Validation Data



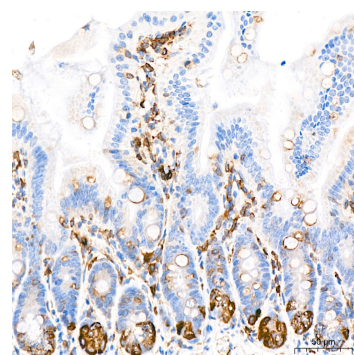
Western blot analysis of various lysates using COX2/PTGS2 Rabbit mAb (A3560) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
 Lysates/proteins: 25μg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10s.



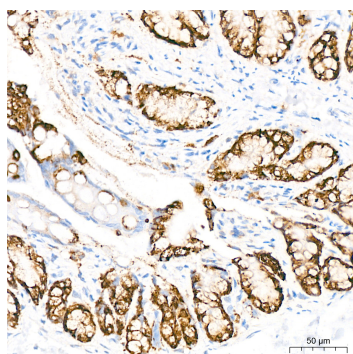
Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded human colon carcinoma tissue using COX2/PTGS2 Rabbit mAb (A3560) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded human colon tissue using COX2/PTGS2 Rabbit mAb (A3560) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded mouse intestine tissue using COX2/PTGS2 Rabbit mAb (A3560) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded rat colon tissue using COX2/PTGS2 Rabbit mAb (A3560) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.