

Anti-COX2 Antibody [COX2/2377] - BSA and Azide free (A278357)

Specifications:

Name:	Anti-COX2 Antibody [COX2/2377] - BSA and Azide free
Description:	Mouse monoclonal [COX2/2377] antibody to COX2.
Specificity:	Prostaglandins are a diverse group of autocrine and paracrine hormones that mediate many cellular and physiologic processes. Prostaglandin H2 (PGH2) is an intermediate molecule in formation of the prostaglandins. Cyclooxygenase-1 (Cox-1) and cyclooxygenase-2 (Cox-2) are prostaglandin synthases that catalyze the formation of PGH2 from arachidonic acid (AA). Cox-1 and Cox-2 are isozymes of prostaglandin-endoperoxidase synthase (PTGS). Cox-1 is constitutively expressed in most tissues and is thought to serve in general housekeeping functions. Cox-2 is efficiently induced in migratory cells responding to pro-inflammatory stimuli and is considered to be an important mediator of inflammation. Both enzymes are targets for the nonsteroidal therapeutic anti-inflammatory drugs, NSAIDs. COX2 expression is significantly increased in 85-90% of human colorectal adenocarcinomas whereas levels of COX-1 are not changed.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 442-572, of human COX2. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	COX2/2377
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Anti-COX2 Antibody [COX2/2377] - BSA and Azide free (A278357)

Specifications continued:

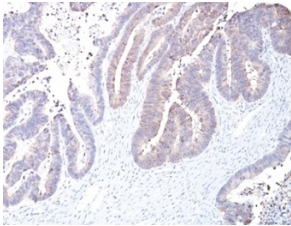
General Notes:

This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-COX2 Antibody [COX2/2377] (A277769).

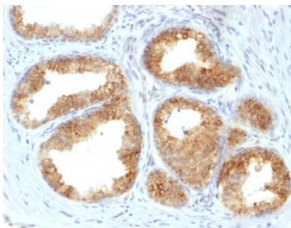
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

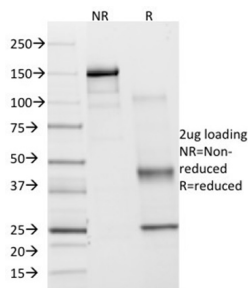
Images:



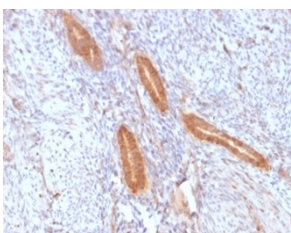
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma tissue using Anti-COX2 Antibody [COX2/2377].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human prostate cancer tissue using Anti-COX2 Antibody [COX2/2377].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human endometrium tissue using Anti-COX2 Antibody [COX2/2377].



SDS-PAGE analysis of Anti-COX2 Antibody [COX2/2377] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.