

## Anti-COX2/PTGS2 antibody (505-604) [S3MR] (STJ11103523)

### GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

### PRODUCT PROPERTIES

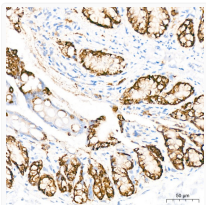
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:6000 IHC-P:1:200-1:2000 ELISA:Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.01% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 69kDa Observed Mw: 72kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

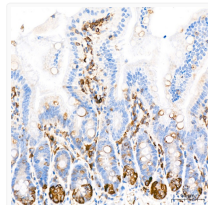
Gene ID	<a href="#">5743</a>
Gene Symbol	<a href="#">PTGS2</a>
UniProt ID	<a href="#">PGH2_HUMAN</a>
Immunogen Region	505-604
Immunogen Sequence	GETMVEVGAPFSLKGLMGNV ICSPAYWKPSTFGGEVGFQI INTASIQSLICNNVKGCPFT SFSVPDPELIKTVTINASSS RSLGDDINPTVLLKERSTEL
Specificity	A synthetic peptide corresponding to a sequence within amino acids 505-604 of human COX2/PTGS2 (P35354).

### ADDITIONAL INFORMATION

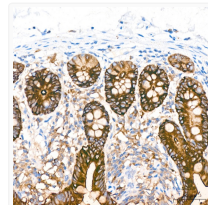
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



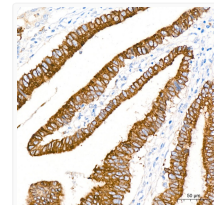
Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded rat colon tissue using COX2/PTGS2 Rabbit monoclonal antibody (STJ11103523) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



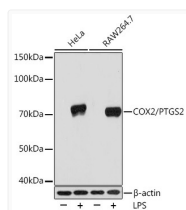
Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded mouse intestine tissue using COX2/PTGS2 Rabbit monoclonal antibody (STJ11103523) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded human colon tissue using COX2/PTGS2 Rabbit monoclonal antibody (STJ11103523) 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 immunohistochemistry staining.



Immunohistochemistry analysis of COX2/PTGS2 in paraffin-embedded human colon carcinoma tissue using COX2/PTGS2 Rabbit monoclonal antibody (STJ11103523) 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 immunohistochemistry staining.



Western blot analysis of various lysates using COX2/PTGS2 Rabbit monoclonal antibody (STJ11103523) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.