

Product Datasheet

COX-2 Antibody - BSA Free

NBP1-85499

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NBP1-85499

COX-2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

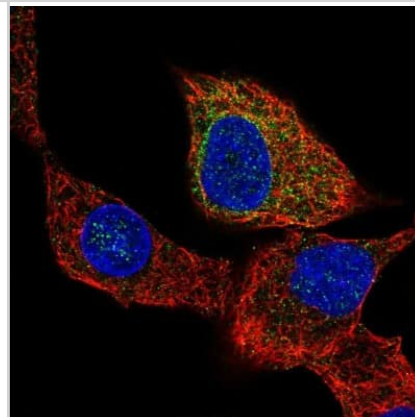
Product Description	
Description	Novus Biologicals Rabbit COX-2 Antibody - BSA Free (NBP1-85499) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-COX-2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5743
Gene Symbol	PTGS2
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (88%). Human reactivity reported in scientific literature (PMID: 23090667).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RQMKYQSFNEYRKRKRFMLKPYESFEELTGEKEMSAELEALYGDIDAVELYPALL VEKPRPDAIFGETMVEVGAPFSLKGLMGNVICSPAYWKPSTFGGEVGFQIINTA SIQSLICNNVKGCPFTSFSVPDPE

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.



Images

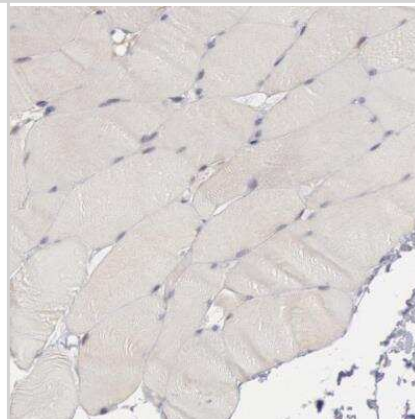
Immunocytochemistry/Immunofluorescence: COX-2 Antibody [NBP1-85499] - Staining of human cell line A549 shows localization to endoplasmic reticulum. Antibody staining is shown in green.



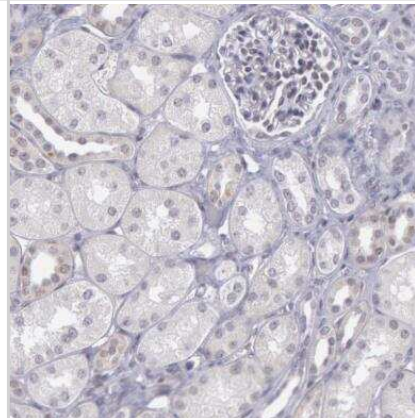
Immunohistochemistry-Paraffin: COX-2 Antibody [NBP1-85499] - Staining in human urinary bladder shows strong cytoplasmic positivity in urothelial cells.



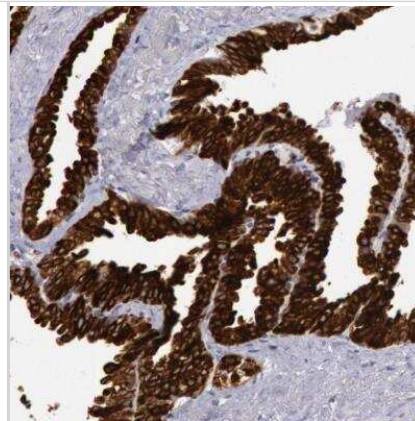
Immunohistochemistry-Paraffin: COX-2 Antibody [NBP1-85499] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



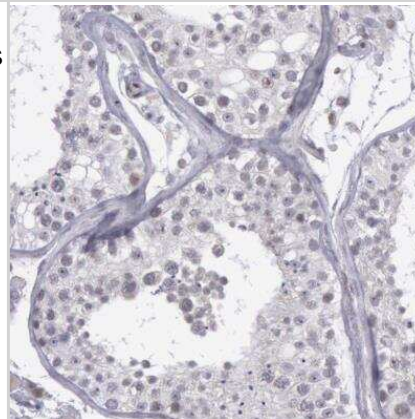
Immunohistochemistry-Paraffin: COX-2 Antibody [NBP1-85499] - Staining of human kidney shows not positivity in cells in tubules and cells in glomeruli as expected.



Immunohistochemistry-Paraffin: COX-2 Antibody [NBP1-85499] - Staining of human seminal vesicle shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: COX-2 Antibody [NBP1-85499] - Staining of human testis shows no positivity in cells in seminiferous ducts as expected.



Publications

Charo C, Holla V, Arumugam T et al. PGE2 Regulates Pancreatic Stellate Cell Activity Via The EP4 Receptor. *Pancreas* 2013-04-01 [PMID: 23090667] (IF/IHC, Human)

Nunez F, Bravo S, Cruzat F et al. Wnt/Beta -catenin signaling enhances cyclooxygenase-2 (COX2) transcriptional activity in gastric cancer cells. *PLoS One* 2011-04-01 [PMID: 21494638]



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Products Related to NBP1-85499

NBP1-85499PEP	COX-2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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