



Catalog: OM159932

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Cox-2 Antibody (H-62)

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☐ 100ul

Product profile

Product name	Cox-2 Antibody (H-62)
Antibody Type	Primary Antibodies
Modification Notes	Prostaglandins are a diverse group of autocrine and paracrine hormones that mediate many cellular and physiological 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 .

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,FC ,ELISA
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

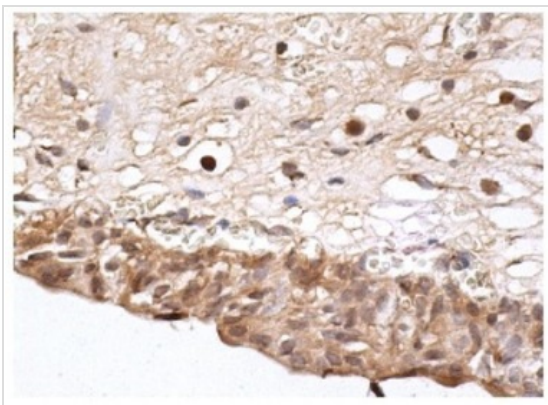
Target Information

Alternative Names	epitope corresponding to amino acids 50-111 of Cox-2 of human origin
Tissue Specificity	epitope corresponding to amino acids 50-111 of Cox-2 of human origin

Database Links

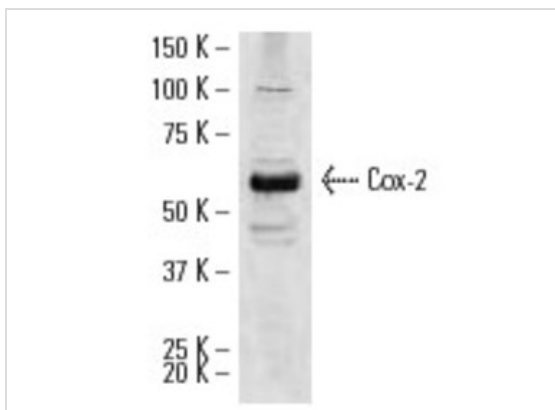
Entrez Gene	5743
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Application



Application

Immunoperoxidase staining of formalin fixed, paraffin-embedded human urinary bladder tissue showing cytoplasmic and nuclear staining of urothelial cells.



Application

Western blot analysis of Cox-2 expression in PMA + LPS-induced RAW 264.7 whole cell lysate.

Application Notes

recommended for detection of Cox-2 of mouse, rat and human origin by WB, IP, IF, FCM and ELISA ; also reactive with additional species, including equine, canine, bovine and porcine:

Additional Information

Form

Liquid

Storage Instructions

For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Storage Buffer

phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Note

The product is for research use only,not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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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