

## Rabbit Polyclonal Antibody to COX2

<b>Catalog No.:</b>	RP 111, RP 111-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person (s) when evaluating and interpreting results.
<b>Immunogen:</b>	Recombinant protein corresponding to c-terminus of rat COX2.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against COX2 containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a 70 kD protein. COX2 (Cyclooxygenase-2) is an inducible enzyme. It is involved in the response of cells to growth factors, tumor promoters and cytokines that induce its expression. COX2 expression markedly increased in 85-90% of human colorectal adenocarcinoma whereas COX1 levels remain unchanged. This antibody cross reacts with mouse and rat.
<b>Positive Control:</b>	Lung and colon carcinoma
<b>Cellular Localization:</b>	Cytoplasmic, membrane
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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