



## Rabbit polyclonal antibody to human Cyclooxygenase-1 (35-52): Affinity purified

<b>Catalogue No.:</b>	R-1599-100
<b>Description:</b>	Cyclooxygenase (COX) is an important enzyme in the conversion of arachidonic acid to Prostaglandin H <sub>2</sub> , the precursor of the series-2 prostanoids. At least 3 splice variants have been found (COX-1, COX-2 and COX-3). COX-1 is constitutively expressed in most cell types and is induced as part of the inflammatory response by cytokines as well as by growth factors such as EGF and PDGF.
<b>Batch No.:</b>	See product label.
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide corresponding to a region (35-52 aa) from human Cyclooxygenase-1. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	Prostaglandin G/H synthase 1; Cyclooxygenase-1; COX-1; Prostaglandin-endoperoxide synthase 1; Prostaglandin H <sub>2</sub> synthase 1; PGH synthase 1; PGHS-1; PHS 1; PTGS1; COX1;
<b>Accession:</b>	P23219 PGH1_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5ug/mL is recommended for WB. Human COX-1 (long) has a predicted length of 599 residues and MW of 69 kDa. A concentration of 0.5-1.0 ug/mL is recommended for IHC to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Cross-reactivity:</b>	Human (WB, IHC); rat (WB); mouse (WB);
<b>Form:</b>	Lyophilized with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> added as preservative
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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