



Rabbit polyclonal antibody to human Cyclooxygenase-2 (28-50): Affinity purified

- Catalogue No.:** R-1114-100
- Batch No.:** See product label
- Unit size:** 100 µg
- Antigen:** A synthetic peptide (NRGVCMSVGFQYKCDCTRTGFY) corresponding to a region (28-50) from human Cyclooxygenase-2. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
- Other Names:** Prostaglandin G/H synthase 2; EC 1.14.99.1; Cyclooxygenase-2; COX-2; Prostaglandin-endoperoxide synthase 2; Prostaglandin H2 synthase 2; PGH synthase 2; PGHS-2; PHS II; PTGS2; COX2;
- Produced in:** Rabbit
- Purity:** Affinity purified on antigen column
- Applications:** Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0 µg/ml is recommended for WB. Human COX-2 (precursor) has a predicted length of 604 residues and MW of 69 kDa. A concentration of 1.0-2.0 µg/ml is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat activated antigen retrieval is required.
- Specificity:** The specificity of this antibody has been confirmed by WB and IHC against the antigen.
- Cross-reactivity:** Human; rat; predicted to react with mouse due to sequence homology;
- Form:** Lyophilized with 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃ added as preservative
- Reconstitution:** Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
- Storage:** At least 12 months after purchase at 2 - 4°C (lyophilized formulations).
After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles
- Expiry Date:** 12 months after purchase

FOR RESEARCH USE ONLY