

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05285-T - Goat Anti-COX1 / PTGS1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** PTGS1, COX1, COX3, PHS1, PCOX1, PGHS1, PTGHS, PGG/HS, PGHS-1, prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase), prostaglandin G/H synthase and cyclooxygenase, RP11-542K23.6

**Official Symbol:** PTGS1

**Accession Number(s):** NP\_000953.2; NP\_542158.1

**Human GeneID(s):** [5742](#)

**Important Comments:** This antibody is expected to recognise both human isoforms of this protein according to NP\_000953.2 and NP\_542158.1.

### Immunogen

Peptide with sequence C-QDDGPAVERPSTEL, from the C Terminus of the protein sequence according to NP\_000953.2; NP\_542158.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 70kDa band observed in lysates of histiocytic lymphoma cell line U937 (calculated MW of 68.7kDa according to NP\_000953.2) Recommended for use at 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** In paraffin embedded Human Heart shows patchy staining of myocardial fibres in longitudinal section. Recommended concentration, 3-5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB05285 (1µg/ml) staining of U937 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.  
EB05285 (3.8µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer  
pH 6, AP-staining.