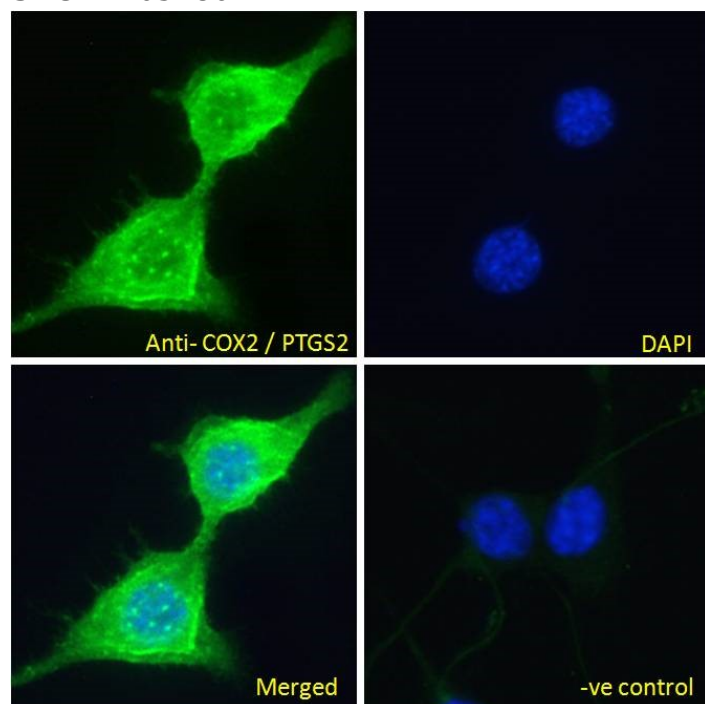


GOAT ANTI-COX2 / PTGS2 ANTIBODY

SKU: EB05286



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	cyclooxygenase 2b GRIPGHS prostaglandin G/H synthase and cyclooxygenase hCox-2 PGHS-2 PGG/HS PHS-2 COX-2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) COX2 PTGS2
Usage Summary	<p>Immunofluorescence: Strong expression of the protein seen in the cytoplasm and vesicles of HepG2 and NIH3T3 cells. Recommended concentration: 10µg/ml.</p> <p>Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.</p> <p>Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.</p>
Accession ID	NP_000954.1
Blocking Peptide	EBP05286

Immunogen	Peptide with sequence C-NPTVLLKERSTEL, from the C Terminus of the protein sequence according to NP_000954.1.
Peptide Sequence	C-NPTVLLKERSTEL
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Dog, Pig, Cow
Reactive Species	Human, Mouse
Human Gene ID	5743
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx 75-80kDa band observed in lysates of cell lines A549 and Daudi (predicted MW of 69kDa according to NP_000954.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, WB, IF, FC

SELECTED REFERENCES

[{"pmid": 30377371, "intro": "**This antibody has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}, {"pmid": 23241323, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Glucagon-like peptide-1 preserves coronary microvascular endothelial function after cardiac arrest and resuscitation: potential antioxidant effects", "author": "Betsy B Dokken, Charles V Piermarini, Mary K Teachey, Michael T Gura, Christian J Dameff, Brian D Heller, Jonida Krate, Aeen M Ashgar, Lauren Querin, Jennifer L Mitchell, Ronald W Hilwig, Karl B Kern", "journal": "Am J Physiol Heart Circ Physiol. 2013 Feb 15;304(4):H538-46."}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

