

## Anti-COX2/Cyclooxygenase 2/PTGS2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA1725-Fluoro488

### About PTGS2

Cyclooxygenase (Cox) is the key enzyme in conversion of arachidonic acid to PGs, and two isoforms, Cox-1 and Cox-2, have been identified. Cox-2 gene encodes an inducible prostaglandin synthase enzyme that is overexpressed in adenocarcinomas and other tumors. Deletion of the murine Cox-2 gene in Min mice reduced the incidence of intestinal tumors, suggesting that it is required for tumorigenesis. This gene is localized to sites associated with retinal blood vessels, and plays an important role in blood vessel formation in the retina. And the glucocorticoid receptor suppression of COX-2 is also crucial for curtailing lethal immune activation, and suggest new therapeutic approaches for regulation of T-cell-mediated inflammatory diseases.

### Overview

Product Name	Anti-COX2/Cyclooxygenase 2/PTGS2 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P35354

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human COX2.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 31 Publications Citing This Product

1. PubMed ID: 21074783, Ni Yf, Kuai Jk, Lu Zf, Yang Gd, Fu Hy, Wang J, Tian F, Yan Xl, Zhao Yc, Wang Yj, Jiang T. J Surg Res. 2011 Jan;165(1):E29-35. Doi: 10.1016/J.Jss.2010.10.004. Epub 2010 Nov 10. Glycyrrhizin Treatment Is Associated With Attenuation Of Lipopolysaccha...
2. PubMed ID: 21532334, Xie Y, Chen S, Wang Ch, Tang Cw. Cancer Biol Ther. 2011 Jul 1;12(1):86-92. Doi: 10.4161/Cbt.12.1.15730. Epub 2011 Jul 1. Som230 Combined With Celecoxib Prolongs The Survival In Nude Mice With Hepg-2 Xenografts.
3. PubMed ID: 20813175, Duan J, Zhang Y, Han S, Chen Y, Li B, Liao M, Chen W, Deng X, Zhao J, Huang B. Int J Pharm. 2010 Nov 15;400(1-2):211-20. Doi: 10.1016/J.Ijpharm.2010.08.033. Epub 2010 Sep 8. Synthesis And In Vitro/In Vivo Anti-Cancer Evaluation Of Curcumin-Loaded ...

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