

Datasheet for ABIN184672  
**anti-PTGS2 antibody (C-Term)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	PTGS2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PTGS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Purpose:	COX2 / PTGS2
Immunogen:	Peptide with sequence C-NPTVLLKERSTEL, from the C Terminus of the protein sequence according to NP_000954.1.
Sequence:	NPTVLLKERS TEL
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Pig
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	PTGS2
Alternative Name:	PTGS2 ( <a href="#">PTGS2 Products</a> )
Background:	PTGS2, COX2, prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase), COX-2, PHS-2, PGG/HS, PGHS-2, hCox-2, prostaglandin G/H synthase and cyclooxygenase, GRIPGHS, cyclooxygenase 2b
Gene ID:	5743
NCBI Accession:	<a href="#">NP_000954</a>
Pathways:	<a href="#">Brown Fat Cell Differentiation</a> , <a href="#">Positive Regulation of fat Cell Differentiation</a>

## Application Details

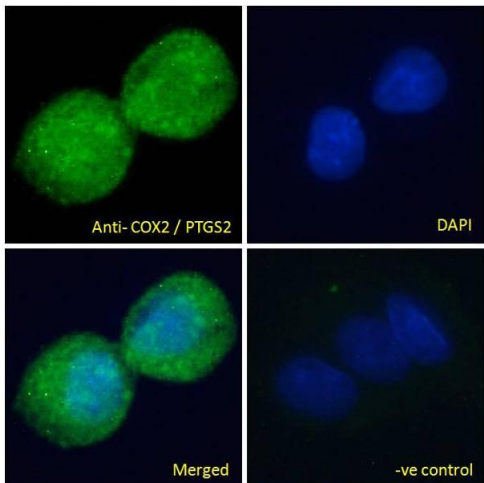
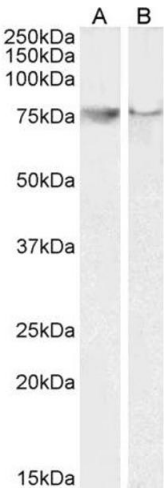
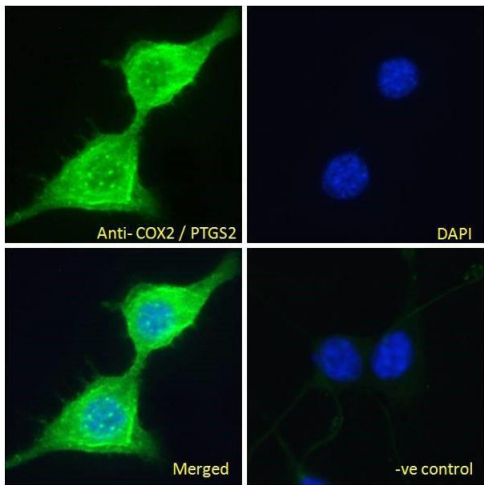
Application Notes:	Western Blot: Approx 75-80 kDa band observed in lysates of cell lines A549 and Daudi (predicted MW of 69 kDa according to NP_000954.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3 µg/mL. Primary incubation Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the cytoplasm and vesicles of HepG2 and NIH3T3 cells. Recommended concentration: 10µg/ml. <b>Flow Cytometry:</b> Flow cytometric analysis of HeLa cells. Recommended
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

at 4°C for a few weeks and still remain viable.

Images



Immunofluorescence

**Image 1.** ABIN184672 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasm and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Western Blotting

**Image 2.** ABIN184672 (0.1µg/ml) staining of A549 (A) and Daudi (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

Immunofluorescence

**Image 3.** ABIN184672 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN184672.