

Datasheet for ABIN7180881

anti-PTGS2 antibody

4 Images

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Overview

Quantity:	100 µL
Target:	PTGS2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized peptide derived from Human Cox2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	PTGS2
Alternative Name:	PTGS2 (PTGS2 Products)
Background:	<p>Background: Converts arachidonate to prostaglandin H2 (PGH2), a committed step in prostanoid synthesis. Constitutively expressed in some tissues in physiological conditions, such as the endothelium, kidney and brain, and in pathological conditions, such as in cancer.</p> <p>PTGS2 is responsible for production of inflammatory prostaglandins. Up-regulation of PTGS2 is</p>

Target Details

also associated with increased cell adhesion, phenotypic changes, resistance to apoptosis and tumor angiogenesis. In cancer cells, PTGS2 is a key step in the production of prostaglandin E2 (PGE2), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

Nathalie Bonnefoy, Mol. Cell. Biol., Apr 2001, 21: 2359 - 2372.

Keith P. Choe, J. Exp. Biol., May 2006, 209: 1696 - 1708

D. Shelley Lupold, PNAS, Sep 1999, 96: 11670.

Axel J. Baumgarten, AACR Meeting Abstracts, Mar 2004, 2004: 1078.

Aliases: COX 2 antibody, COX-2 antibody, COX2 antibody, Cyclooxygenase 2 antibody, Cyclooxygenase 2b antibody, Cyclooxygenase antibody, Cyclooxygenase-2 antibody, Cyclooxygenase2 antibody, EC 1.14.99.1 antibody, fj02a10 antibody, Glucocorticoid-regulated inflammatory cyclooxygenase antibody, Glucocorticoid-regulated inflammatory Prostaglandin G/H synthase antibody, GRIPGHS antibody, hCox 2 antibody, Macrophage activation-associated marker protein P71/73 antibody, OTTHUMP00000033524 antibody, PES-2 antibody, PGG/HS antibody, PGH synthase 2 antibody, PGH2_HUMAN antibody, PGHS 2 antibody, PGHS-2 antibody, PGHS2 antibody, PHS 2 antibody, PHS II antibody, PHS2 antibody, Prostaglandin endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) antibody, Prostaglandin endoperoxide synthase 2 antibody, Prostaglandin G/H synthase 2 antibody, Prostaglandin G/H synthase 2 precursor antibody, Prostaglandin G/H synthase and cyclooxygenase antibody, Prostaglandin G/H synthase antibody, Prostaglandin H2 synthase 2 antibody, prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) antibody, Prostaglandin-endoperoxide synthase 2 antibody, PTGS2 antibody, ptgs2a antibody, TIS10 antibody, TIS10 protein antibody, unp1239 antibody, wu:fj02a10 antibody

UniProt: [P35354](#)

Pathways: [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Application Notes: WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500,

Restrictions: For Research Use only

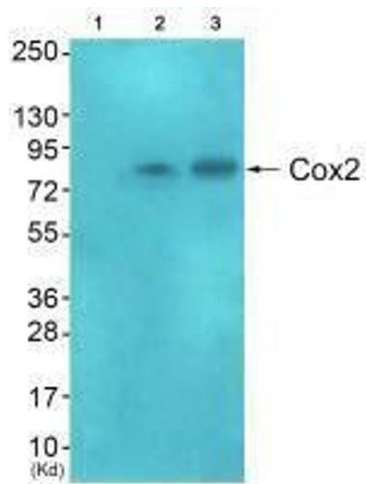
Handling

Format: Liquid

Handling

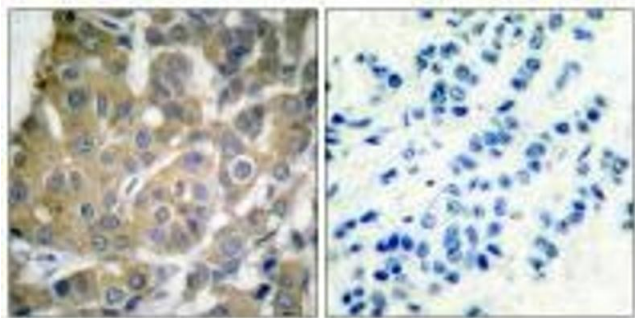
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



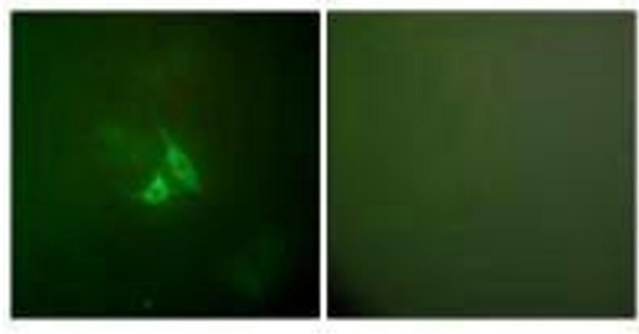
Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells (Lane 2), and A549 cells (Lane 3), using Cox2 antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Cox2 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of A549 cells, using Cox2 antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7180881.