

Datasheet for ABIN7164862
anti-PTGS2 antibody (AA 18-268)



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1 Image

Overview

Quantity:	100 µL
Target:	PTGS2
Binding Specificity:	AA 18-268
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Prostaglandin G/H synthase 2 protein (18-268AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	PTGS2
Alternative Name:	PTGS2 (PTGS2 Products)
Background:	Background: Converts arachidonate to prostaglandin H2 (PGH2), a committed step in prostanoid synthesis. Constitutively expressed in some tissues in physiological conditions,

Target Details

such as the endothelium, kidney and brain, and in pathological conditions, such as in cancer. PTGS2 is responsible for production of inflammatory prostaglandins. Up-regulation of PTGS2 is 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.

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: Recommended dilution: WB:1:500-1:2000,

Restrictions: For Research Use only

Handling

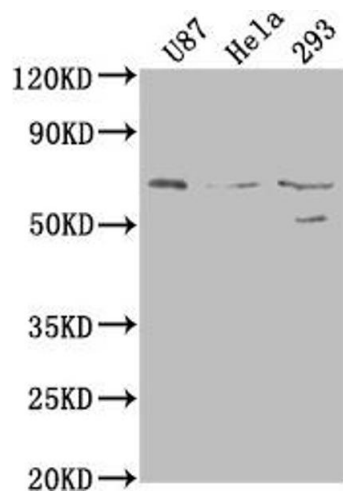
Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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 Positive WB detected in: U87 whole cell lysate, HeLa whole cell lysate, 293 whole cell lysate All lanes: PTGS2 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 69 kDa Observed band size: 69 kDa