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Datasheet for ABIN2855874

anti-PTGS1 antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	PTGS1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human COX1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to COX1 (prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)) COX1 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PTGS1
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Target Details

Alternative Name: prostaglandin-endoperoxide synthase 1 ([PTGS1 Products](#))

Background: Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes PTGS1, which regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. PTGS1 is thought to be involved in cell-cell signaling and maintaining tissue homeostasis. Alternative splicing of this gene generates two transcript variants. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors.

Cellular Localization: Microsome membrane, Peripheral membrane protein, Endoplasmic reticulum membrane, Peripheral membrane protein

Molecular Weight: 69 kDa

Gene ID: 5742

UniProt: [P23219](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Molt-4

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS (pH 7), 40 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

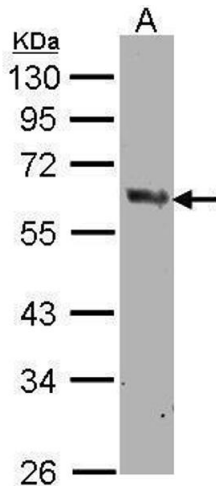
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Handling

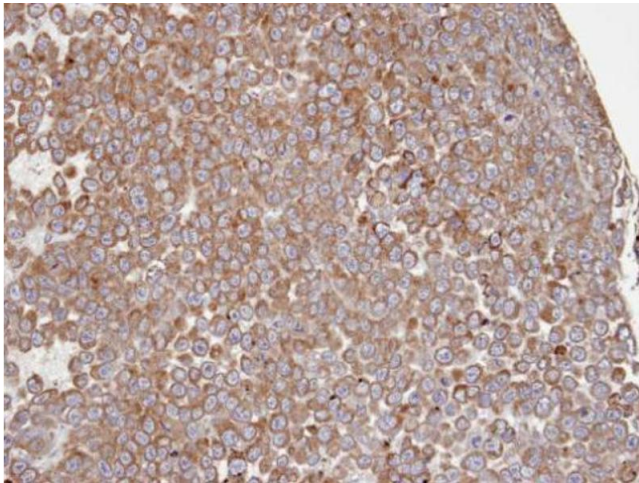
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample(30 µg of whole cell lysate)
A:MOLT4, 10% SDS PAGE antibody diluted at 1:500



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded PC13 xenograft, using PTGS1 , antibody at 1:100 dilution.