

Datasheet for ABIN7432427

## anti-COX2 antibody



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	COX2
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

#### Product Details

Purpose:	Polyclonal Antibody to Cyclooxygenase-2 (COX 2)
Immunogen:	Recombinant Cyclooxygenase-2 (COX 2) corresponding to N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against COX 2. It has been selected for its ability to recognize COX 2 in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

#### Target Details

Target:	COX2
Alternative Name:	COX 2 ( <a href="#">COX2 Products</a> )

## Target Details

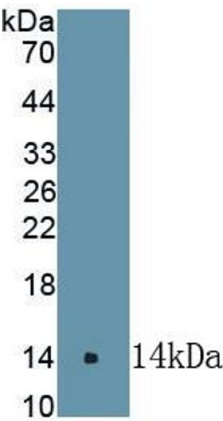
Background:	PGG/HS, PGHS2, PHS2, HCoX2, PTGS2, Prostaglandin Endoperoxide Synthase 2, Prostaglandin G/H Synthase And Cyclooxygenase, Prostaglandin H2 synthase 2
UniProt:	<a href="#">P35355</a>
Pathways:	<a href="#">Brown Fat Cell Differentiation</a> , <a href="#">Positive Regulation of fat Cell Differentiation</a>

## Application Details

Application Notes:	Western blotting: 0.01-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin, Sodium azide
Precaution of Use:	This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

**Image 1.** Detection of Recombinant COX 2, Rat using Polyclonal Antibody to Cyclooxygenase-2 (COX 2)