

Datasheet for ABIN7113230

anti-COX2 antibody



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Overview

Quantity:	100 µg
Target:	COX2
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	prostaglandin-endoperoxide synthase 2
Clone:	4H7
Isotype:	IgG2a
Purification:	protein A+G purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	COX2
Alternative Name:	COX2 (COX2 Products)
Background:	<p>Synonyms: COX 2, COX2, Cyclooxygenase 2, GRIPGHS, hCox 2, PGG/HS, PGH synthase 2, PGHS 2, PHS 2, PHS II, Prostaglandin G/H synthase 2, Prostaglandin H2 synthase 2, PTGS2</p> <p>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</p>

Target Details

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 the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis.

Molecular Weight: 68 kDa

Gene ID: 5743

UniProt: [P35354](#)

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

Application Details

Application Notes: WB: 1:500-1:2000, IHC: 1:100-1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months