

Recombinant COX2 Monoclonal Antibody

catalog number: **AN301043L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

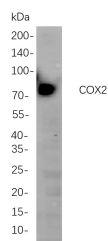
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human COX2 protein
Host	Rabbit
Isotype	IgG,k
Clone	B794
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

IHC	1:100-1:500
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000,

Data



Western Blot with Recombinant COX2 Monoclonal Antibody
at dilution of 1:1000 dilution. Lane A: HeLa cells.

Observed-MW:75 kDa

Calculated-MW:69 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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

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