

Product Name: COX2 Rabbit Monoclonal Antibody**Catalog #: AMRe87843**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.15mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:100
Molecular Weight	Calculated MW:69 kDa; Observed MW:74 kDa

Antigen Information

Gene Name	COX2
Alternative Names	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS
Gene ID	5743
SwissProt ID	P35354
Immunogen	A synthetic peptide of human COX2

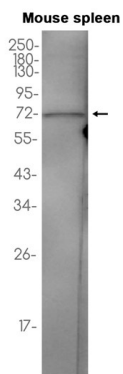
Background

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

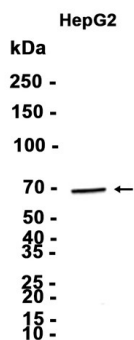
PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis. [provided by RefSeq, Feb 2009]

Research Area

Image Data



Western blot analysis of extracts from Mouse spleen tissue using COX2 Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from HepG2 cells using AMRe87843 at 1:1000.