

Anti-Cyclooxygenase 2 Rabbit Monoclonal Antibody

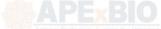
Introduction

Converts arachidonate to prostaglandin H2 (PGH2), a committed step in prostanoid synthesis. Constitutively expressed in some tissues in physiological conditions, such as the endothelium, kidney and brain, and in pathological conditions, such as in cancer. PTGS2 is responsible for production of inflammatory prostaglandins. Up-regulation of PTGS2 is also associated with increased cell adhesion, phenotypic changes, resistance to apoptosis and tumor angiogenesis. In cancer cells, PTGS2 is a key step in the production of prostaglandin E2 (PGE2), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

Product parameters

Alternative Names	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS	
Gene ID	5743	
Gene Name	PTGS2	
SwissProt ID	P35354	
Host Active Perfect	Rabbit	
Reactivity	Human, Mouse	
Molecular Weight	Calculated MW: 69 kDa; Observed MW: 74 kDa	
Conjugation	Unconjugated	
Ex	-	
Em	-	
Modification	Unmodified	
Clonality	IgG	
Isotype	Monoclonal Antibody	
Clonality No.	AP-2G11H1	
Form	Liquid	
Concentration	See label	
<u>Carri</u> er	Carrier Not Free	
Immunogen	Recombinant protein of human COX2/Cyclooxygena	se 2
Purification	Affinity Purified	
Buffer System	50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA.	
Application	WB, IP	
Dilution Ratio	WB: 1/500-1/1000 IP: 1/20	

Research Field	Cardiovascular
Product Categories	Primary antibody
Shipping	Blue ice
Storage	-20°C
Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.





Protocol

Configure the product according to the application range and recommended dilution ratio.

*Note: The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.

















