
Product Name: Cyclooxygenase 2 Rabbit Monoclonal Antibody**Catalog #: AMRe85449**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 69 kDa; Observed MW: 69 kDa

Antigen Information

Gene Name	Cyclooxygenase 2
Alternative Names	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS
Gene ID	5743.0
SwissProt ID	P35354
Immunogen	A synthetic peptide of human COX2

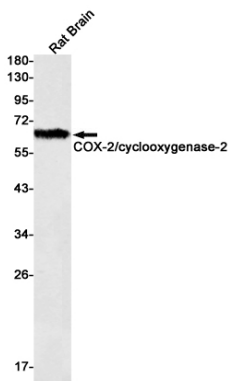
Background

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

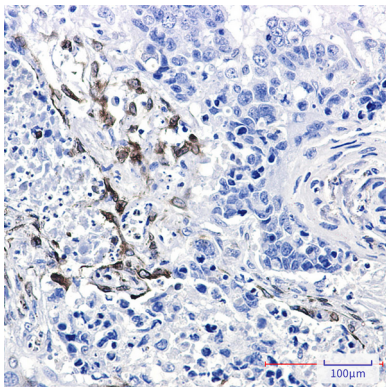
cell adhesion, phenotypic changes, resistance to apoptosis and tumor angiogenesis. In cancer cells, PTGS2 is a key step in the production of prostaglandin E2 (PGE2), which plays important roles in modulating motility, proliferation and resistance to apoptosis.

Research Area

Image Data



Western blot analysis of COX2/cyclooxygenase2 in rat Brain lysates using Cyclooxygenase 2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using COX2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.