

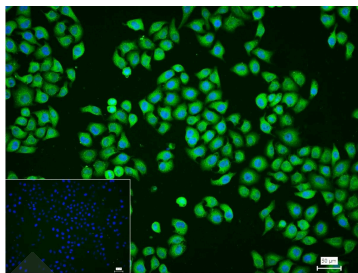
Anti-COX-2 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 65 kDa.
Purification:	Protein A purified

Applications

Verified Activity: 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at RT for 20 min; Antibody incubation with (Cyclooxygenase 2) polyclonal Antibody, unconjugated (TMAB-00470) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nucleus. PBS instead of the primary antibody was used as the blank control.



Application:	FCM,ICC/IF
Recommended	ICC/IF=1:50-200,Flow-Cyt=1:100-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Cyclooxygenase 2
Antigen Species:	Human
Gene ID:	5743
Uniprot ID:	P35354
Synonyms:	GRIPGHS;prostaglandin-endoperoxide synthase 2;COX2;PGHS-2;COX-2;PGG/HS;PHS-2;hCox-2 Hormone biosynthesis,Tumor biomarkers,Lipoprotein metabolism,Platelets,Cholesterol
Biology Area:	Metabolism,Macrophage / Inflamm.,Hormone biosynthesis,Cholesterol Metabolism,Lipoprotein metabolism,Heart disease,Prostaglandins

Research 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

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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]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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