

Product name:	Anti-COX2/Cyclooxygenase 2 Rabbit Polyclonal Antibody
Cat number:	ABS115672
Conjugate:	unconjugated
Size:	100 µL
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse COX2
Reactivity:	Mouse
Applications:	WB 1: 1000-1: 3000
Molecular Weight:	69 kDa / 74 kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
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.