

Product name:	PTGS2 Mouse Monoclonal Antibody
Cat number:	MABN86121
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	This PTGS2 antibody is generated from a mouse immunized with a recombinant protein from the human region of human PTGS2.
Reactivity:	Human
Applications:	WB 1:1000-1:2000
Molecular Weight:	69.0kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Converts arachidonate to prostaglandin H ₂ (PGH ₂), 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 E ₂ (PGE ₂), which plays important roles in modulating motility, proliferation and resistance to apoptosis.