

## Anti-PTGS2 Antibody

Catalog Number: M00084-4

### About PTGS2

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.

### Overview

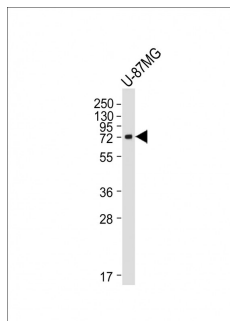
Product Name	Anti-PTGS2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-PTGS2 Antibody (Catalog # M00084-4). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 2104CT1721.122.37
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P35354

### Technical Details

Immunogen	This PTGS2 antibody is generated from a mouse immunized with a recombinant protein from the human region of human PTGS2.
Predicted Reactive Species	Human
Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB: 1:2000
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## Anti-PTGS2 Antibody (M00084-4) Images



Anti-PTGS2 Antibody at 1:2000 dilution + U-87MG whole cell lysate  
Lysates/proteins at 20 µg per lane.  
Secondary  
Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 69 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

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