

Product datasheet for **TA380507**

COX2 (PTGS2) Rabbit Polyclonal Antibody

Product data:

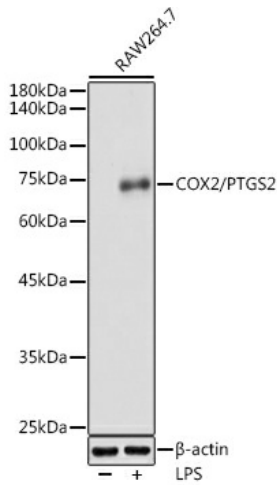
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB,1:1000 - 1:4000 IHC,1:50 - 1:200 IF,1:50 - 1:100
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 375-604 of human COX2/PTGS2 (NP_000954.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	68kDa
Gene Name:	prostaglandin-endoperoxide synthase 2
Database Link:	Entrez Gene 5743 Human P35354
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.



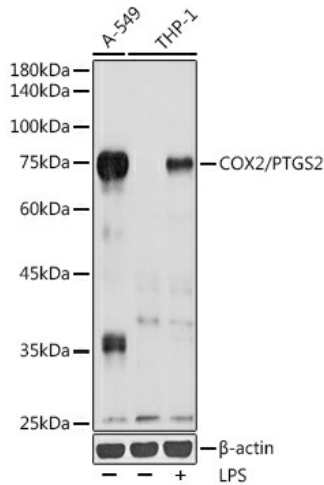
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Synonyms: COX-2; COX2; Cyclooxygenase-2; GRIPGHS; hCox-2; PGG/HS; PGHS-2; PHS-2

Product images:



Western blot analysis of extracts of RAW264.7 cells, using COX2/PTGS2 antibody (TA380507) at 1:1000 dilution. Raw264.7 cells were treated by LPS (1 $\mu\text{g}/\text{ml}$) at 37°C for 8 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 1s.



Western blot analysis of extracts of various cell lines, using COX2/PTGS2 antibody (TA380507) at 1:1000 dilution. THP-1 cells were treated by LPS (1 $\mu\text{g}/\text{ml}$) at 37°C for 8 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 30s.