

Rabbit anti-Human, Mouse Prostaglandin Endoperoxide Synthase 2 Polyclonal Antibody | anti-PTGS2 antibody

Polyclonal Antibody to Prostaglandin Endoperoxide Synthase 2 (PTGS2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20853	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Prostaglandin Endoperoxide Synthase 2; Polyclonal Antibody; Polyclonal Antibody to Prostaglandin Endoperoxide Synthase 2 (PTGS2); anti-PTGS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against PTGS2. It has been selected for its ability to recognize PTGS2 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQQMGRGSE F-FAQHFTHQ FFKTDHKRGP AFTNGLGHGV DLNHIYGETL ARQRKLRLFK DGKMKYQIID GEMYPPTVKD TQAEMIYPPQ VPEHLRFVAVG QEVFGLVPGL MMYATIWLRE HNRVCDVLKQ EHPEWGDEQL FQTSRLILIG ETIKIVIEDY VQHLSGYHFK LKFDPELLFN KQFYQNRIA AEFNTLYHWH PLLPDTFQIH DQKYNYYQFI YNNSILLEHG ITQFVESFTR QIAGRVAGGR N
Applicable Applications for anti-PTGS2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western blotting: 0.5-2ug/mL Immunohistochemistry: 5-20ug/mL Immunocytochemistry: 5-20ug/mL Optimal working dilutions must be determined by end user.
Fragment	PTGS2 (Phe187~Asn425)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human, Mouse
Conjugate	No Conjugate
Immunogen	Recombinant PTGS2 (Phe187~Asn425) expressed in E. Coli.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type RAW264.7 cell lysate; Lane 2: PTGS2 knockout RAW264.7 cell lysate; Predicted MW: 69kd Observed MW: 69kd Primary Ab: 5ug/ml Rabbit Anti-Human PTGS2 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)

Western Blot: Sample: Mouse RAW 264.7 Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PTGS2 antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506265
NCBI GeneID	5743
NCBI Accession #	NP_000954.1
NCBI GenBank Nucleotide #	NM_000963.3
UniProt Accession #	P35354; Q16876; A8K802
Molecular Weight	68,996 Da
NCBI Official Full Name	prostaglandin G/H synthase 2
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 2
NCBI Official Symbol	PTGS2
NCBI Official Synonym Symbols	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS
NCBI Protein Information	prostaglandin G/H synthase 2
UniProt Protein Name	Prostaglandin G/H synthase 2
UniProt Gene Name	PTGS2
UniProt Synonym Gene Names	COX2; COX-2; PGH synthase 2; PGHS-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.