bsm-61288R

[Primary Antibody]

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Cyclooxygenase 1 Recombinant Rabbit mAb

- DATASHEET -

Host: Rabbit Isotype: IgG
Clonality: Recombinant CloneNo.: 7D4
GeneID: 5742 SWISS: P23219

Target: Cyclooxygenase 1

Immunogen: A synthesized peptide derived from human COX 1: 100-155.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium

chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid

repeated freeze/thaw cycles.

Background: Dual cyclooxygenase and peroxidase that plays an important role in

the biosynthesis pathway of prostanoids, a class of C20 oxylipins

mainly derived from arachidonate ((5Z,8Z,11Z,14Z)-

eicosatetraenoate, AA, C20:4(n-6)), with a particular role in the inflammatory response. The cyclooxygenase activity oxygenates AA to the hydroperoxy endoperoxide prostaglandin G2 (PGG2), and the peroxidase activity reduces PGG2 to the hydroxy endoperoxide prostaglandin H2 (PGH2), the precursor of all 2-series prostaglandins

and thromboxanes.

Applications: WB (1:500-2000)

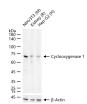
IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) IP (1:20-50)

Reactivity: Human, Mouse, Rat

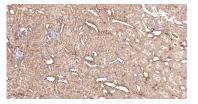
Predicted 69 MW.:

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Cyclooxygenase 1 monoclonal antibody, unconjugated (bsm-61288R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cyclooxygenase 1 Monoclonal Antibody, Unconjugated (bsm-61288R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cyclooxygenase 1 Monoclonal Antibody, Unconjugated (bsm-61288R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.