SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Mouse Anti-Cyclooxygenase 2 antibody

SLM-51741M

Product Name	Cyclooxygenase 2
Chinese Name	环氧合酶 2 单克隆抗体
Alias	PTGS2; COX 2; COX2; COX-2; Cyclooxygenase; Cyclooxygenase2; Cyclooxygenase-2; hCox 2; PGG/HS; PGH synthase 2; PGHS 2; PGHS2; PHS 2; PHS II; PHS2 ; Prostaglandin endoperoxide synthase 2; Prostaglandin G/H synthase 2 precursor; Prostaglandin G/H synthase and cyclooxygenase; Prostaglandin G/H synthase 2; Prostaglandin H2 synthase 2; TIS10II; PGH2_HUMAN.
Research Area	Tumour Cardiovascular immunology Signal transduction Synthesis and Degradation The new supersedes the old
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	F4H9
React Species	Human,
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	65kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human PTGS2.
Lsotype	IgG1,κ
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

PubMed PubMed

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. [provided by RefSeq, Feb 2009]

Product Detail

Function:
Mediates the formation of prostaglandins from arachidonate. May have a role as a major mediator of inflammation and/or a role for prostanoid signaling in activity-dependent plasticity.

Subunit:
Homodimer.

Subcellular Location:
Microsome membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein.

Post-translational modifications:
S-nitrosylation by NOS2 (iNOS) activates enzme activity. S-nitrosylation may take place on different Cys residues in addition to Cys-561.

Similarity:
Belongs to the prostaglandin G/H synthase family. Contains 1 EGF-like domain.

SWISS:
P35354

Gene ID:
5743

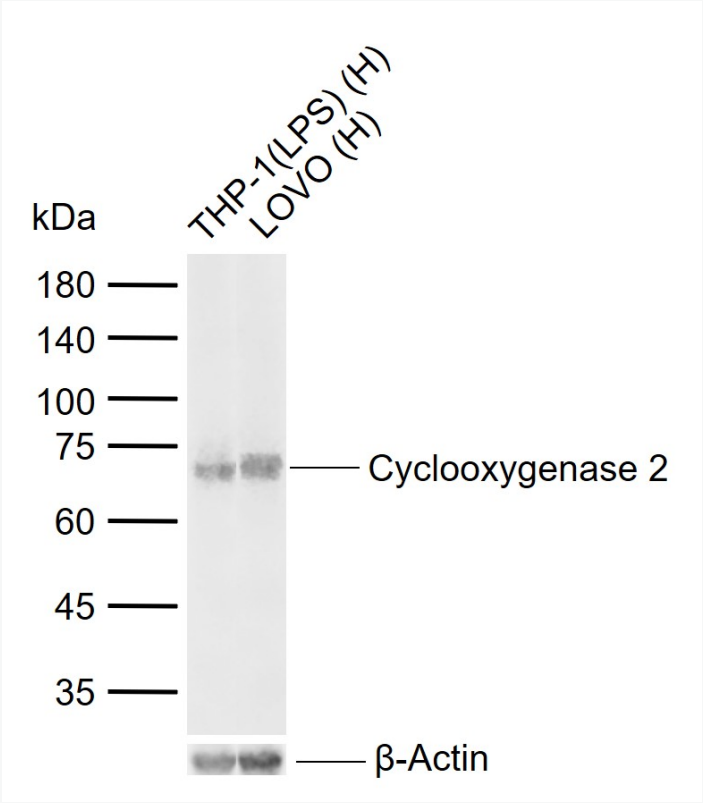
Database links:

Entrez Gene: 5743 Human

SwissProt: P35354 Human

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Product Picture



Sample:

Lane 1: Human THP-1(LPS) cell lysates

Lane 2: Human LOVO cell lysates

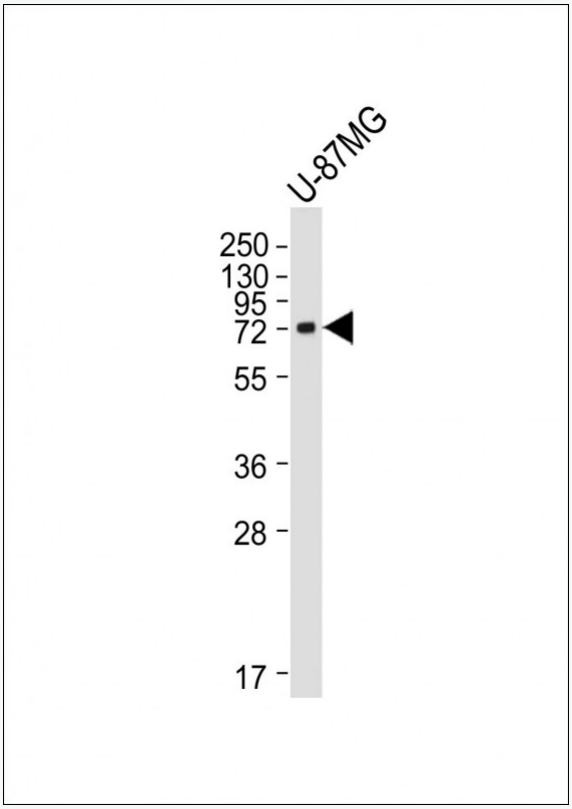
Primary: Anti-Cyclooxygenase 2 (SLM-51741M) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 65 kDa

Observed band size: 70 kDa

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com



Sample:

Lane 1: U-87MG cell lysates

Primary: Anti-Cyclooxygenase 2 (SLM-51741M) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 65 kD

Observed band size: 72 kD