



## Rabbit Anti-Cyclooxygenase 2 antibody

SL10411R

<b>Product Name:</b>	Cyclooxygenase 2
<b>Chinese Name:</b>	环氧合酶2/前列腺素内过氧化物合成酶2抗体
<b>Alias:</b>	COX 2; COX2; COX-2; Cyclooxygenase; Cyclooxygenase2; 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; Prostaglandin H2 synthase 2; PTGS2; TIS10II; PGH2_HUMAN.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(2)</b> SL10411R has been referenced in 2 publications. <b>[IF=2.71]</b> Niu, Xiaofeng, et al. "Protective effects of Isofraxidin against lipopolysaccharide-induced acute lung injury in mice." International immunopharmacology (2015). <b>Mouse</b> . <a href="#">PubMed:25596039</a> <b>[IF=3.74]</b> Zheng, Jian, et al. "Lithium posttreatment confers neuroprotection through glycogen synthase kinase-3 $\beta$ inhibition in intracerebral hemorrhage rats." Journal of Neurosurgery (2016): 1-9. <b>WB;Rat</b> . <a href="#">PubMed:27739937</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	65kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid

<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Cyclooxygenase 2:301-400/604
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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]</p> <p><b>Function:</b> 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.</p> <p><b>Subunit:</b> Homodimer.</p> <p><b>Subcellular Location:</b> Microsome membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein.</p> <p><b>Post-translational modifications:</b> S-nitrosylation by NOS2 (iNOS) activates enzyme activity. S-nitrosylation may take place on different Cys residues in addition to Cys-561.</p> <p><b>Similarity:</b> Belongs to the prostaglandin G/H synthase family. Contains 1 EGF-like domain.</p> <p><b>SWISS:</b> P35354</p> <p><b>Gene ID:</b> 5743</p> <p><b>Database links:</b> <a href="#">Entrez Gene: 5743</a>Human</p>

[Entrez Gene: 19225](#)Mouse

[Entrez Gene: 29527](#)Rat

[Omim: 600262](#)Human

[SwissProt: P35354](#)Human

[SwissProt: Q05769](#)Mouse

[SwissProt: P35355](#)Rat

[Unigene: 196384](#)Human

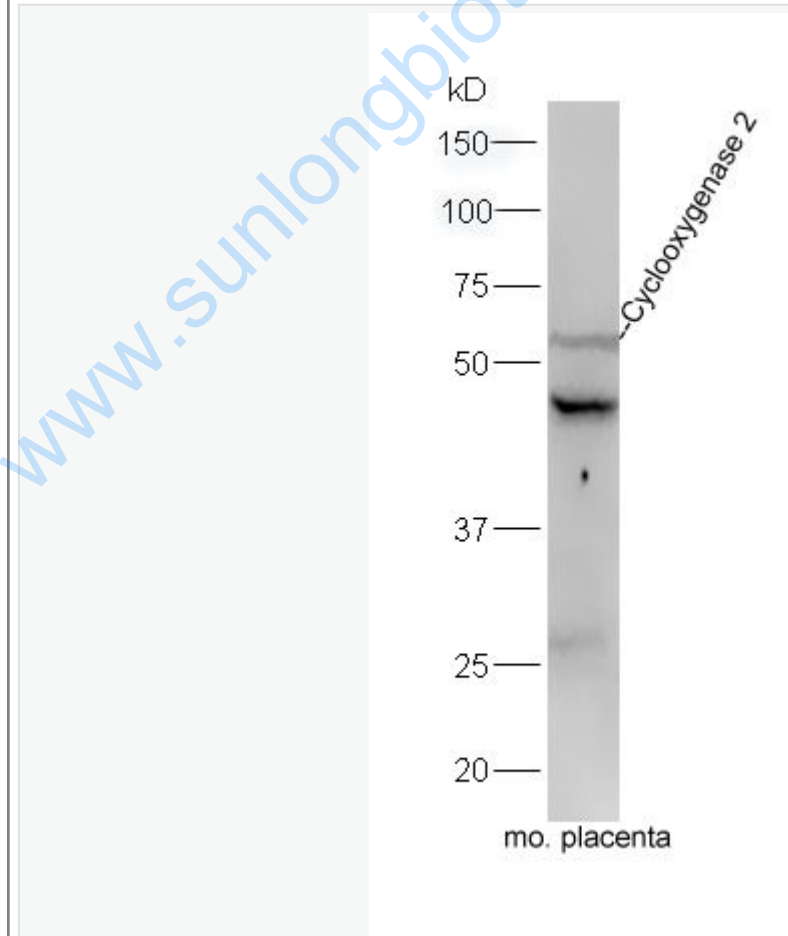
[Unigene: 292547](#)Mouse

[Unigene: 44369](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

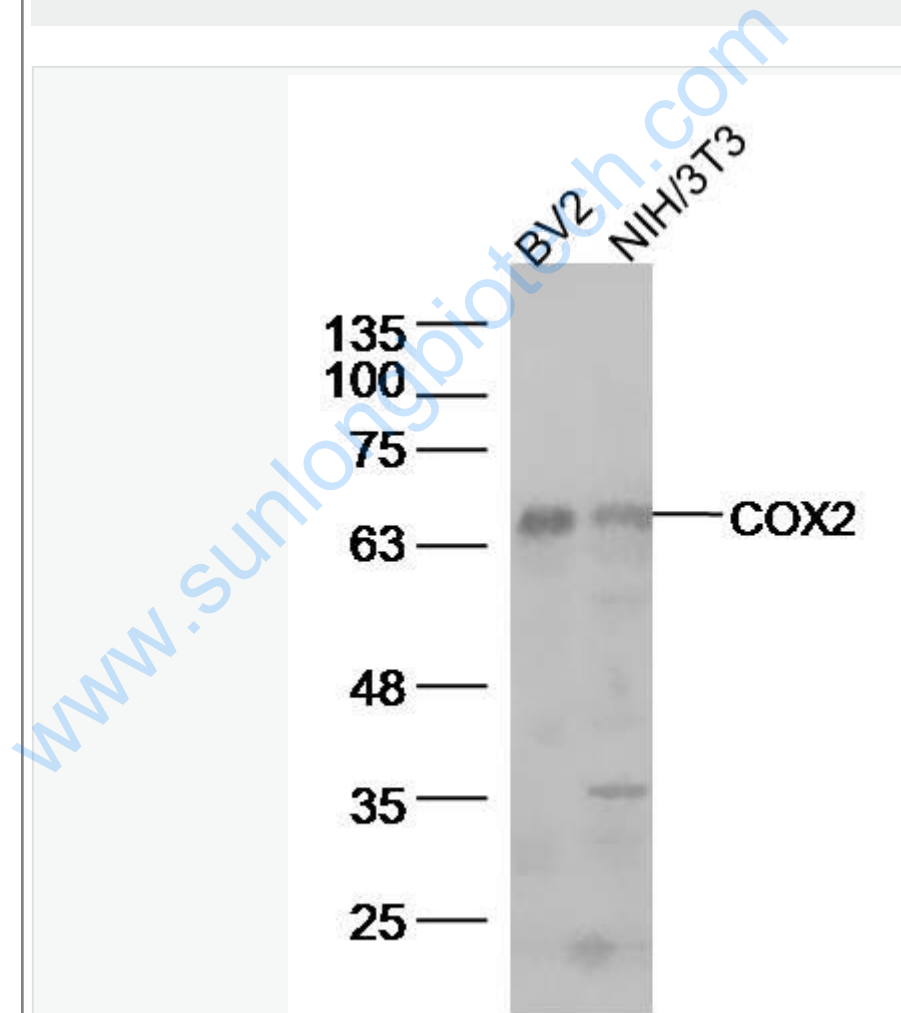
placenta (Mouse) Lysate at 40 ug

Primary: Anti-Cyclooxygenase 2 (SL10411R) at 1/300 dilution

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

Predicted band size: 65 kD

Observed band size: 55 kD



Sample:

BV2(Mouse) Cell Lysate at 30 ug

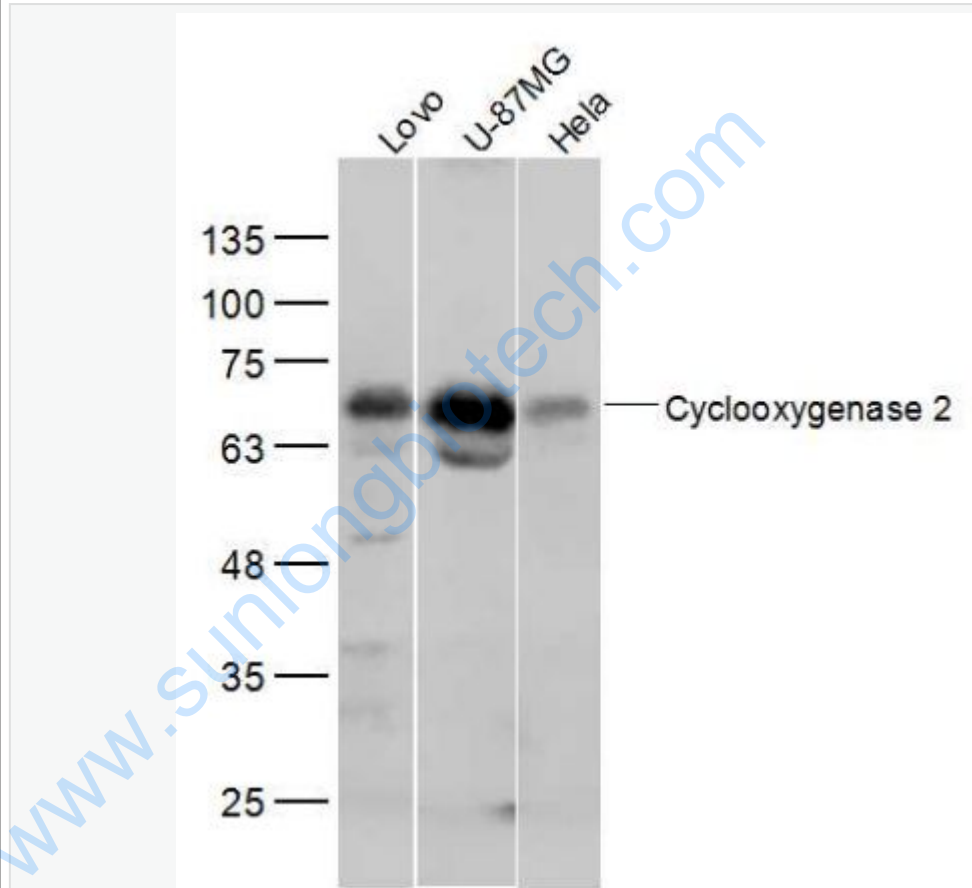
NIH/3T3(Mouse) Cell Lysate at 30 ug

Primary: Anti-Cyclooxygenase 2 (SL10411R) at 1/300 dilution

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

Predicted band size: 65 kD

Observed band size: 65 kD



Sample:

Lovo(Human) Cell Lysate at 30 ug

U-87MG(Human) Cell Lysate at 30 ug

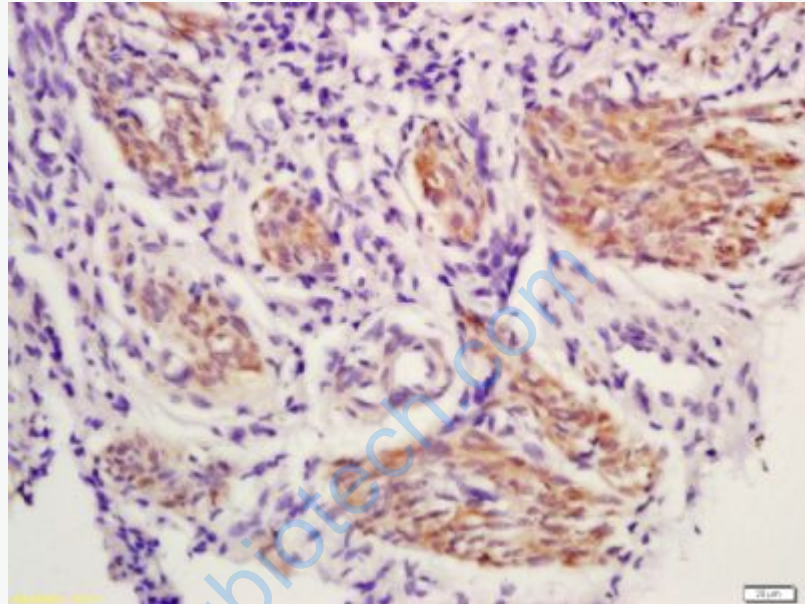
HeLa(Human) Cell Lysate at 30 ug

Primary: Anti-Cyclooxygenase 2 (SL10411R) at 1/300 dilution

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

Predicted band size: 65 kD

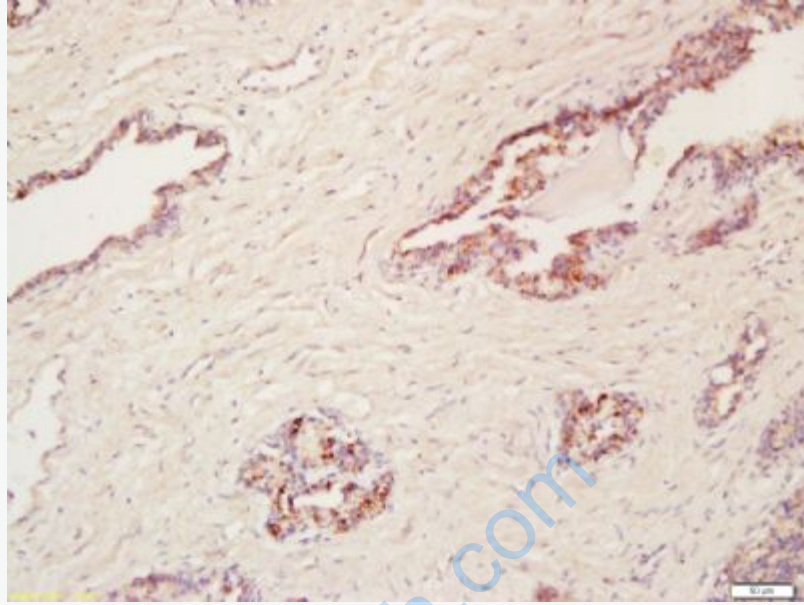
Observed band size: 65 kD



Tissue/cell: human myometrium tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

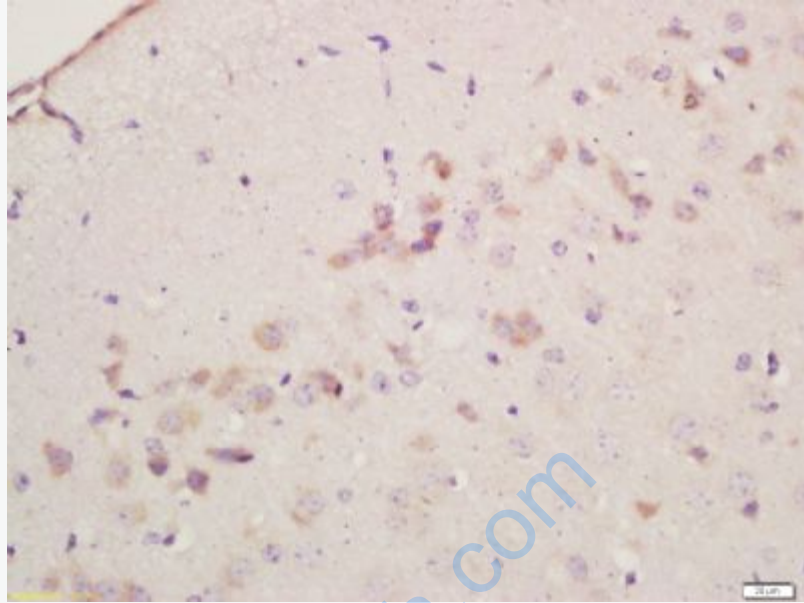
Incubation: Anti-Cyclooxygenase-2 Polyclonal Antibody, Unconjugated(SL10411R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human prostate tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-COX-2 Polyclonal Antibody, Unconjugated(SL10411R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer  
(normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-COX-2 Polyclonal Antibody, Unconjugated(SL10411R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and  
DAB(C-0010) staining