

## Basic Information

Product Name	Anti-COX-1/Cyclooxygenase-1/PTGS1 Antibody (Clone#FHF-16)	
Gene Name	PTGS1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human COX1	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	70 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20
	Flow Cytometry (FCM):	1:20

## Storage

12 months from date of receipt, -20°C as supplied.

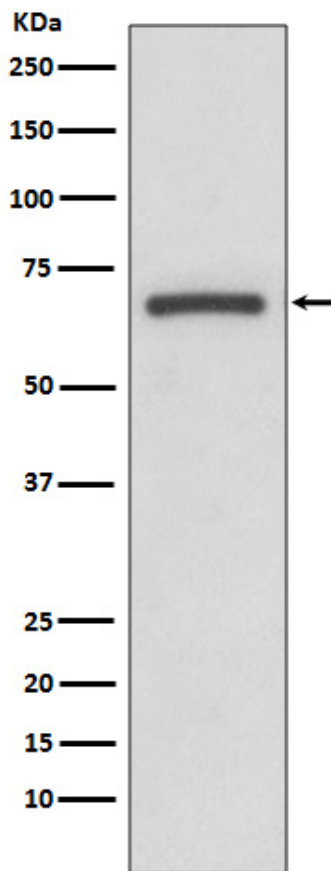
## Background Information

Cyclooxygenase 1(COX1), also known as Prostaglandin-endoperoxide synthase (PTGS1) or mitochondrial cytochrome c oxidase subunit 1, is the key enzyme in prostaglandin biosynthesis. The gene was approximately 40 kb long, with 11 protein-coding exons. There were 599 amino acid residues with a calculated molecular mass of approximately 68 kD. By analysis of a human/hamster somatic hybrid DNA panel, it was demonstrated that the PTGS1 gene maps to chromosome 9. Human prostaglandin endoperoxide synthase exhibited 91% amino acid identity with the sheep enzyme. Prostaglandin synthase 1 gene disruption in mice reduces arachidonic acid-induced inflammation and indomethacin-induced gastric ulceration.

## Reference

Anti-COX-1/Cyclooxygenase-1/PTGS1 Antibody (Clone#FHF-16)被引用在2文献中。

## Selected Validation Data



Western blot analysis of COX1 expression in A431 cell lysate.

Product datasheet

**Anti-COX-1/Cyclooxygenase-1/PTGS1  
Antibody (Clone#FHF-16)**

**Catalog Number: BM4553**

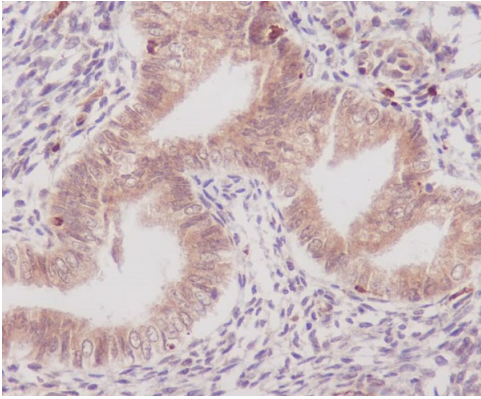


antibody and ELISA experts

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**Web:** [www.boster.com](http://www.boster.com) **Phone:** 027-67845390/1/2 **Email:** [boster@boster.com](mailto:boster@boster.com)



Immunohistochemical analysis of paraffin-embedded human uterus, using COX1 Antibody.