

## PTGS2 antibody

### Product Information

Catalog No.:	FNab09973
Size:	100µg
Form:	liquid
Purification:	protein A+G purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	4H7
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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.

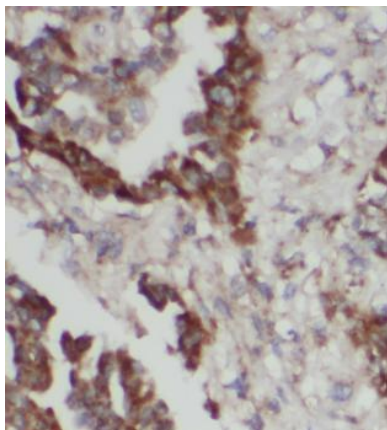
### Immunogen information

Immunogen:	prostaglandin-endoperoxide synthase 2
Synonyms:	Prostaglandin G/H synthase 2 Cyclooxygenase-2 (COX-2) PHS II Prostaglandin H2 synthase 2 (PGH synthase 2, PGHS-2) Prostaglandin-endoperoxide synthase 2 PTGS2 COX2
Observed MW:	68 kDa
Uniprot ID :	P35354

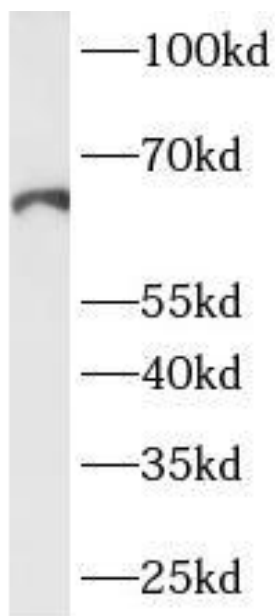
### Application

Reactivity:	Human, Mouse
Tested Application:	ELISA, WB, IHC
Recommended dilution:	WB: 1:500-1:2000; IHC: 1:100-1:400

Image:



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using FNab09973(COX2 Antibody) at dilution of 1:200



LPS treated Hela cells were subjected to SDS PAGE followed by western blot with FNab09973(COX2 antibody) at dilution of 1:1000