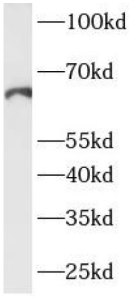
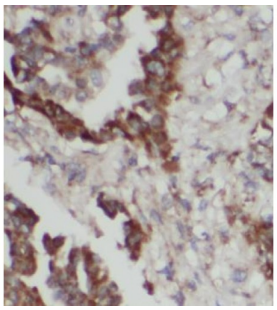
Prostaglandin G/H Synthase 2 / COX-2 (PTGS2) Antibody

Catalogue No.:abx239951



WB analysis of LPS treated HeLa cells, using COX2 antibody (1/1000 dilution).



IHC-P analysis of human lung cancer tissue, using COX2 antibody (1/200 dilution).

Prostaglandin G/H Synthase 2 / COX-2 (PTGS2) Antibody is a Mouse Monoclonal antibody for the detection of COX2.

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.

Target:	Prostaglandin G/H Synthase 2 / COX-2 (PTGS2)
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC
Host:	Mouse
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/100 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	prostaglandin-endoperoxide synthase 2

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Isotype:	IgG_{2a}
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by Protein A and Protein G affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	P35354 (UniProt, ExPASy)
Gene Symbol:	PTGS2
GeneID:	5743
OMIM:	600262
HGNC:	9605
KEGG:	hsa:5743
Ensembl:	ENSG00000073756
String:	9606.ENSP00000356438
Molecular Weight:	Observed MW: 68 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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