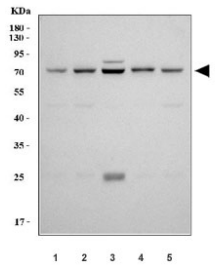
PTGS2 Antibody / COX2 (R32712)

Catalog No.	Formulation	Size
R32712	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P35354
Applications	WB: 0.5-1ug/ml
Limitations	This PTGS2 antibody is available for research use only.



Western blot testing of human 1) Jurkat, 2) HeLa, 3) HepG2, 4) A549 and 5) U-87 MG cell lysate with PTGS2 antibody at 0.5ug/ml. Predicted molecular weight ~69 kDa.

Description

Cyclooxygenase (Cox) is the key enzyme in conversion of arachidonic acid to PGs, and two isoforms, Cox-1 and Cox-2, have been identified. Cox-2 gene encodes an inducible prostaglandin synthase enzyme that is overexpressed in adenocarcinomas and other tumors. Deletion of the murine Cox-2 gene in Min mice reduced the incidence of intestinal tumors, suggesting that it is required for tumorigenesis. This gene is localized to sites associated with retinal blood vessels, and plays an important role in blood vessel formation in the retina. And the glucocorticoid receptor suppression of COX-2 is also crucial for curtailing lethal immune activation, and suggests new therapeutic approaches for regulation of T-cell-mediated inflammatory diseases.

Application Notes

Optimal dilution of the PTGS2 antibody should be determined by the researcher.

Immunogen

Amino acids 365-397 (AEFNTLYHWHPLLPDTFQIHDQKYNYQQFIYNN) from the human protein were used as the immunogen for the PTGS2 antibody.

Storage

After reconstitution, the PTGS2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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