COX2 Rabbit mAb (AR1104)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,ELISA
Isotype:	IgG,Kappa
MW:	69kD (Calculated) 75kD (Observed)

Recommended Dilution Ratios

IHC	1:100-500
WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	Endogenous

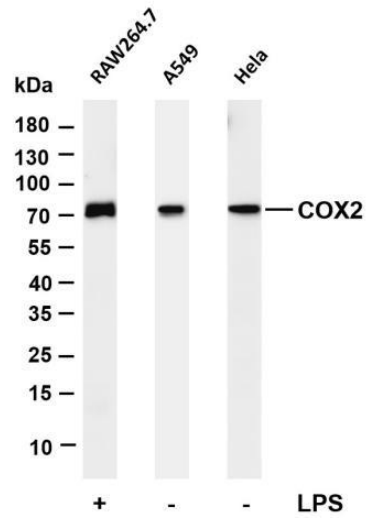
Target Information

Gene name	PTGS2 COX2
Protein Name	Prostaglandin G/H synthase 2 (Cyclooxygenase-2) (COX-2) (PHS II) (Prostaglandin H2 synthase 2) (PGH synthase 2) (PGHS-2) (Prostaglandin-endoperoxide synthase 2)

Organism	Gene ID	UniProt ID
Human	5743	P35354

Cellular Localization	Cytoplasm
Tissue specificity	Endothelial cell, Epidermal keratinocytes in primary culture, Lung

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-COX2 antibody. The HRP conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

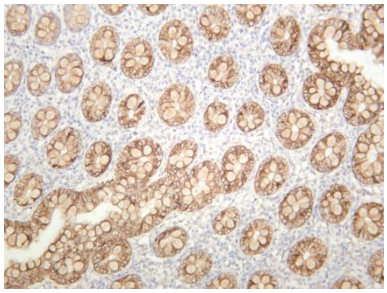
Lane 1: RAW264.7 treated with LPS (100mg/mL) of 24 hours

Lane 2: A549

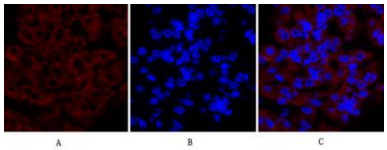
Lane 3: Hela

Predicted band size: 69kDa

Observed band size: 75kDa



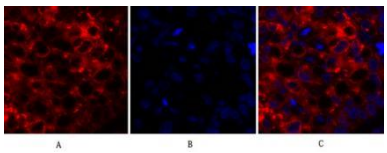
Human appendix was stained with anti-COX2 rabbit antibody



Immunofluorescence analysis of human-liver-cancer tissue.

1. Cox-2 Antibody(red) was diluted at 1:200(4°C, overnight).
2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. DAPI (blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of human-lung-cancer tissue.

1. Cox-2 Antibody(red) was diluted at 1:200(4°C, overnight).
2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. DAPI (blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

For Research Use Only