

ARG52901 anti-Cox2 antibody [SP21]

Package: 500 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [SP21] recognizes Cox2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SP21
Isotype	IgG
Target Name	COX2
Antigen Species	Human
Immunogen	Synthetic peptide corresponding to C-terminus of rat COX-2.
Conjugation	Un-conjugated
Alternate Names	PHS II; Prostaglandin H2 synthase 2; PHS-2; Cyclooxygenase-2; PGHS-2; COX2; PGG/HS; COX-2; GRIPGHS; hCox-2; PGH synthase 2; Prostaglandin G/H synthase 2; Prostaglandin-endoperoxide synthase 2; EC 1.14.99.1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Incubation Time: 30 min at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Breast Carcinoma, Colon, Lung	
Calculated Mw	70 kDa	

Properties

Form	Liquid
Buffer	Tissue culture supernatant in TBS (pH 7.5), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background

COX-2 (Cyclooxygenase-2) is an inducible enzyme. It is involved in the response of cells to growth factors, tumor promoters, and cytokines that induce its expression. Given its role in synthesizing prostaglandins, COX-2 is therefore of interest in studying immune response regulation. COX-2 is induced by a wide variety of stimuli and was initially identified as immediate-early growth response gene. In addition, COX-2 expression markedly increased in 85-90% of human colorectal adenocarcinoma whereas COX-1 levels remain unchanged.

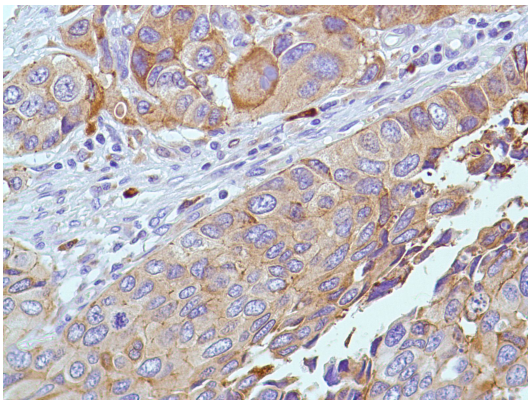
Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

Cellular Localization

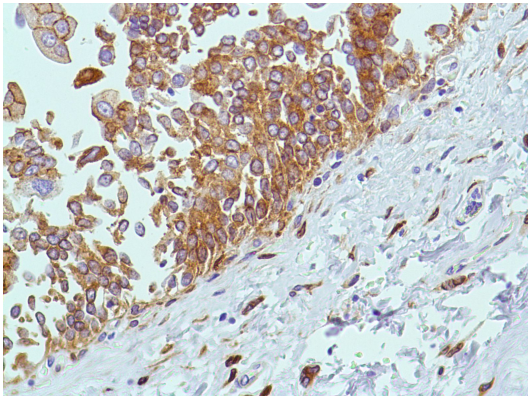
Cytoplasm, Membrane

Images



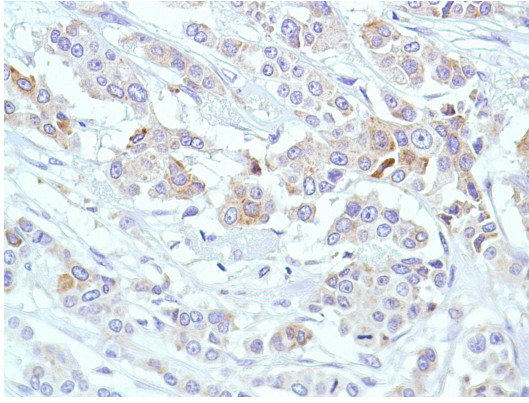
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Bladder Transitional Cell Carcinoma stained with COX-2 antibody [SP21] (ARG52901)



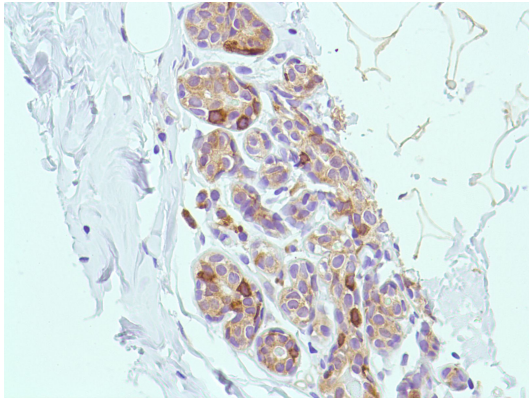
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Bladder stained with COX-2 antibody [SP21] (ARG52901)



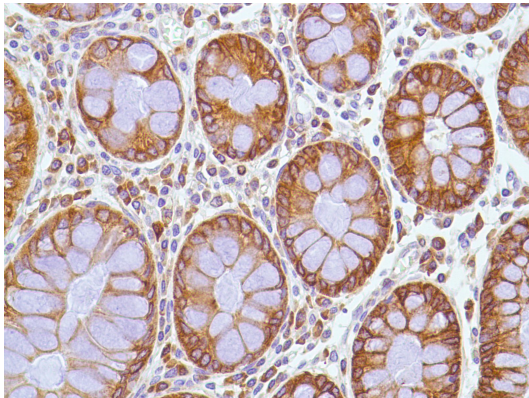
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Breast Ductal Carcinoma stained with COX-2 antibody [SP21] (ARG52901)



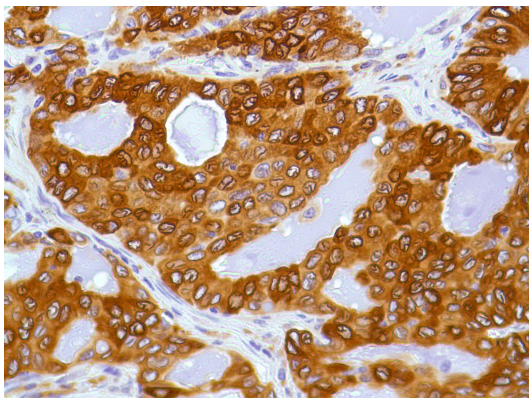
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Breast stained with COX-2 antibody [SP21] (ARG52901)



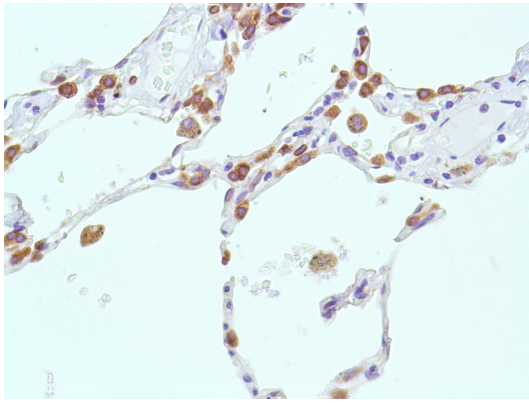
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Colon stained with COX-2 antibody [SP21] (ARG52901)



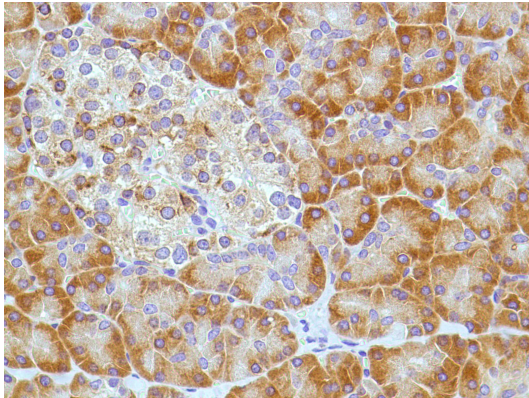
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Lung Adenocarcinoma stained with COX-2 antibody [SP21] (ARG52901)



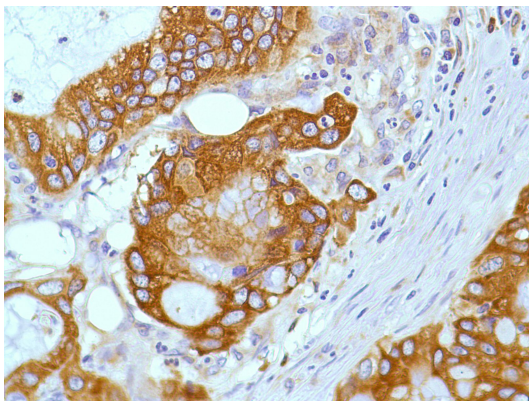
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Lung stained with COX-2 antibody [SP21] (ARG52901)



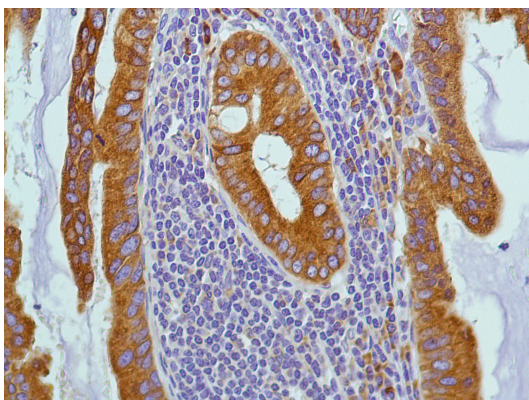
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Pancreas stained with COX-2 antibody [SP21] (ARG52901)



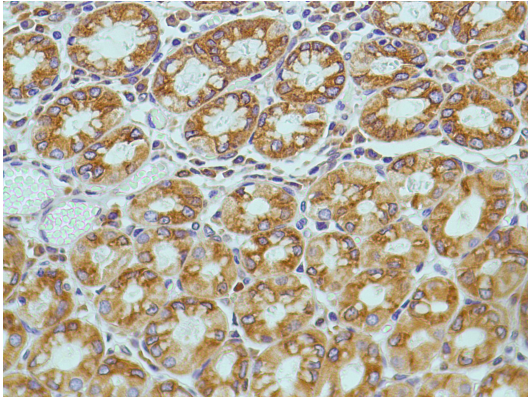
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Pancreatic Adenocarcinoma stained with COX-2 antibody [SP21] (ARG52901)



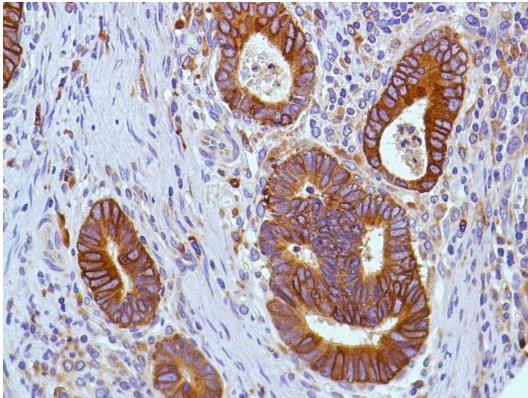
ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Stomach Adenocarcinoma stained with COX-2 antibody [SP21] (ARG52901)



ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Stomach stained with COX-2 antibody [SP21] (ARG52901)



ARG52901 anti-COX-2 antibody [SP21] IHC-P image

Immunohistochemistry: Human Colon Adenocarcinoma stained with COX-2 antibody [SP21] (ARG52901)
