

Datasheet for ABIN655500
anti-PTGS2 antibody (AA 363-391)



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4 Images

1 Publication

Overview

Quantity:	400 µL
Target:	PTGS2
Binding Specificity:	AA 363-391
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PTGS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 363-391 amino acids from the Central region of human PTGS2.
Clone:	RB17409
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PTGS2
Alternative Name:	PTGS2 (PTGS2 Products)

Target Details

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.
Molecular Weight:	68996
Gene ID:	5743
NCBI Accession:	NP_000954
UniProt:	P35354
Pathways:	Brown Fat Cell Differentiation , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:2000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

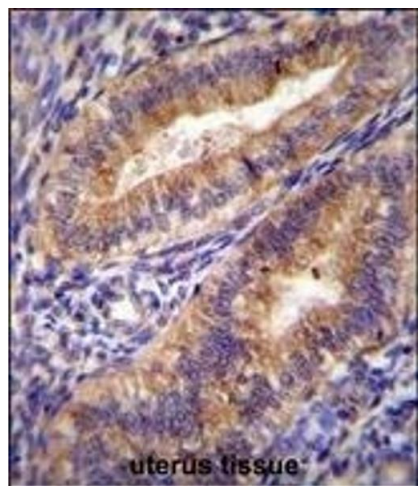
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Peng, You, Zhang, Xi, Zhang, Dong, Cai, Wang, Zhang, Zhou, Gao, Wen: "Predictive value of APAF-1 and COX-2 expression in pathologic complete response to neoadjuvant
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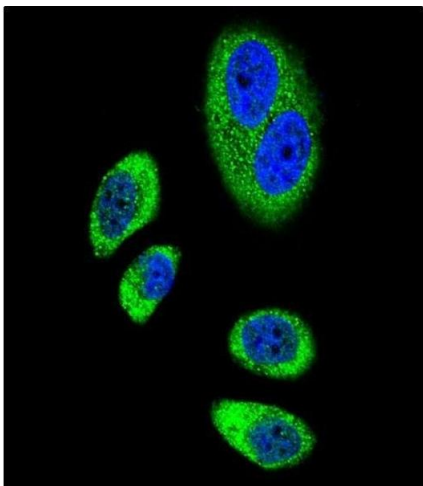
chemoradiotherapy for patients with locally advanced rectal adenocarcinoma." in: **Oncotarget**, Vol. 7, Issue 23, pp. 35233-40, (2018) ([PubMed](#)).

Images



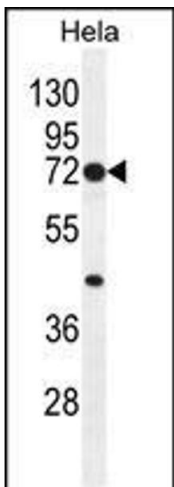
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PTGS2 Antibody (Center) (ABIN655500 and ABIN2845016) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PTGS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of PTGS2 Antibody (Center) (ABIN655500 and ABIN2845016) with A549 cell followed by Alexa Fluor® 489-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. PTGS2 Antibody (Center) (ABIN655500 and ABIN2845016) western blot analysis in HeLa cell line lysates (35 µg/lane). This demonstrates the PTGS2 antibody detected the PTGS2 protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN655500.