

Product Datasheet

COX-2 Antibody NB100-689

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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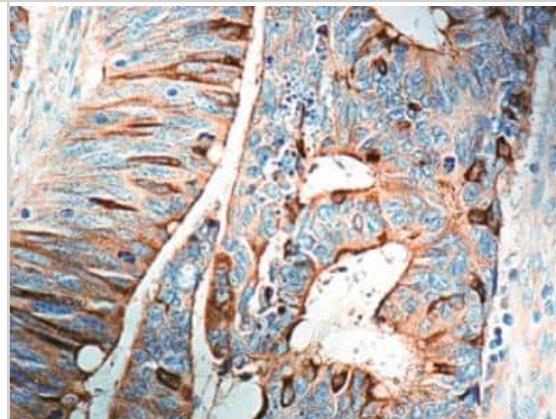
NB100-689**COX-2 Antibody**

Product Information	
Unit Size	0.5 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.4), 0.2% BSA, Tween-20
Product Description	
Host	Rabbit
Gene ID	5743
Gene Symbol	PTGS2
Species	Human, Rat
Specificity/Sensitivity	This reacts with the 70 kDa protein.
Immunogen	Recombinant protein corresponding to the C-terminus of rat COX2 (the exact amino acid sequence is considered to be proprietary information).
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Simple Western 1:100, Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen
Application Notes	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT. Use in Immunohistochemistry-Frozen reported in scientific literature (PMID: 31592103).

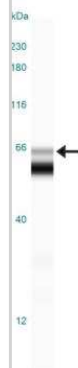


Images

Immunohistochemistry-Paraffin: COX-2 Antibody [NB100-689] - Formalin fixed paraffin embedded colon carcinoma stained with COX-2 antibody (NB100-689).



Simple Western: COX-2 Antibody [NB100-689] - Simple Western lane view shows a specific band for COX2 in 1.0 mg/ml of Rat Brain at an antibody concentration of 1:100. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image provided through customer review.



Publications

Montecillo-Aguado M, Tirado-Rodriguez B, Antonio-Andres G et al. Omega-6 Polyunsaturated Fatty Acids Enhance Tumor Aggressiveness in Experimental Lung Cancer Model: Important Role of Oxylipins International Journal of Molecular Sciences 2022-05-31 [PMID: 35682855] (Immunohistochemistry)

Dib S, Loiola RA, Sevin E et al. TNF α Activates the Liver X Receptor Signaling Pathway and Promotes Cholesterol Efflux from Human Brain Pericytes Independently of ABCA1 International journal of molecular sciences 2023-03-22 [PMID: 36983062] (Western Blot, Human)

Lin FL, Cheng YW, Chen LH et al. Retinal protection by fungal product theissenolactone B in a sodium iodate-induced AMD model through targeting retinal pigment epithelial matrix metalloproteinase-9 and microglia activity Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 2022-12-17 [PMID: 36535199] (WB, Mouse)

PeNa-Mercado E, Garcia-Lorenzana M, Huerta-Yepez S et al. Effect of melatonin on electrical impedance and biomarkers of damage in a gastric ischemia/reperfusion model PloS one 2022-08-16 [PMID: 35972989] (IHC-P, Rat)

Details:

Dilution used for IHC-P 1:1000

Jayakumar T, Yang CM, Yen TL et al. Anti-Inflammatory Mechanism of An Alkaloid Rutaecarpine in LTA-Stimulated RAW 264.7 Cells: Pivotal Role on NF-kappaB and ERK/p38 Signaling Molecules International journal of molecular sciences 2022-05-24 [PMID: 35682568] (WB, Mouse)

Ham HJ, Lee YS, Lee HP et al. G721-0282 Exerts Anxiolytic-Like Effects on Chronic Unpredictable Mild Stress in Mice Through Inhibition of Chitinase-3-Like 1-Mediated Neuroinflammation Frontiers in cellular neuroscience 2022-03-07 [PMID: 35345530] (WB, Mouse)

Balde A, Raghavender P, Dasireddy S et al. Crab Pentapeptide and Its Anti-inflammatory Activity on Macrophage Cells International Journal of Peptide Research and Therapeutics 2021-09-08 (WB)

Eduardo P, Mario G, Carlos CEsar P et al. Bioelectric, tissue, and molecular characteristics of the gastric mucosa at different times of ischemia Experimental Biology and Medicine 2021-06-15 [PMID: 34130514]

Ham HJ, Lee YS, Yun J et al. K284-6111 alleviates memory impairment and neuroinflammation in Tg2576 mice by inhibition of Chitinase-3-like 1 regulating ERK-dependent PTX3 pathway Aging (Albany NY) 2020-11-07 [PMID: 33222690] (IF/IHC, Human)

Joshi I, Mohideen HS, Nazeer RA A Meretrix meretrix visceral mass derived peptide inhibits lipopolysaccharide-stimulated responses in RAW264.7 cells and adult zebrafish model Int Immunopharmacol 2020-11-10 [PMID: 33187909]

Sukumaran V, Tsuchimochi H et al. Liraglutide Improves Renal Endothelial Function in Obese Zucker Rats on a High-Salt Diet. J Pharmacol Exp Ther 2019-01-06 [PMID: 30910920] (WB, Rat)

Jain S, Samal AG, Das B et al. Escherichia coli, a common constituent of benign prostate hyperplasia-associated microbiota induces inflammation and DNA damage in prostate epithelial cells Prostate 2020-08-24 [PMID: 32835423]

More publications at <http://www.novusbio.com/NB100-689>





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Products Related to NB100-689

NB820-59432	Human Lung Whole Tissue Lysate (Adult Whole Tumor)
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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