

Product Datasheet

Prostaglandin E Synthase Antibody - BSA Free NBP1-87852

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-87852

Prostaglandin E Synthase Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

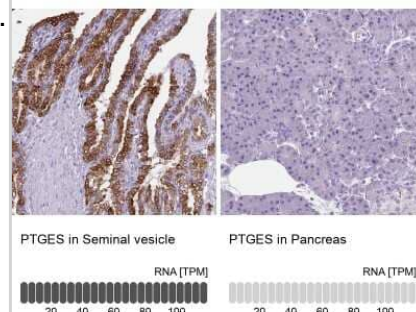
Host	Rabbit
Gene ID	9536
Gene Symbol	PTGES
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27102561).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ITGQVRLRKKA FANPEDALRHGGPQYCRSDPDVERCLRAPRNDM

Product Application Details

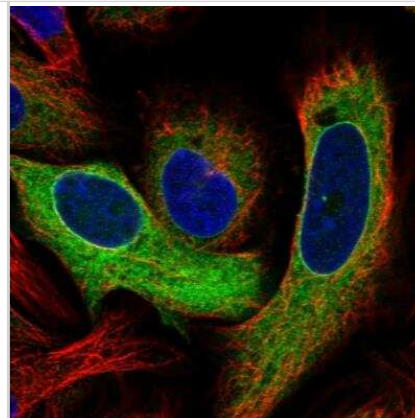
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

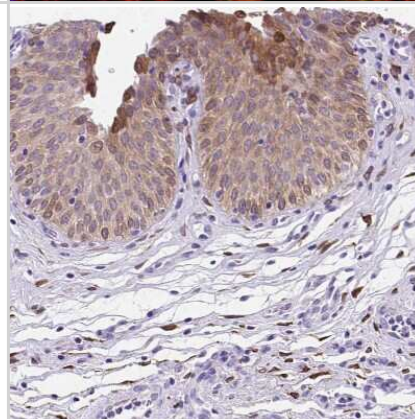
Immunohistochemistry-Paraffin: Prostaglandin E Synthase Antibody [NBP1-87852] - Analysis in human seminal vesicle and pancreas tissues. Corresponding Prostaglandin E Synthase RNA-seq data are presented for the same tissues.



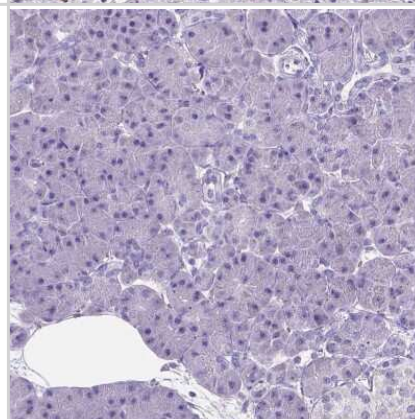
Immunocytochemistry/Immunofluorescence: Prostaglandin E Synthase Antibody [NBP1-87852] - Staining of human cell line SiHa shows localization to endoplasmic reticulum. Antibody staining is shown in green.



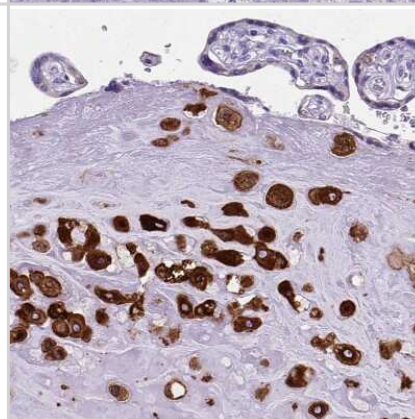
Immunohistochemistry-Paraffin: Prostaglandin E Synthase Antibody [NBP1-87852] - Staining of human urinary bladder shows moderate cytoplasmic positivity in urothelial cells.



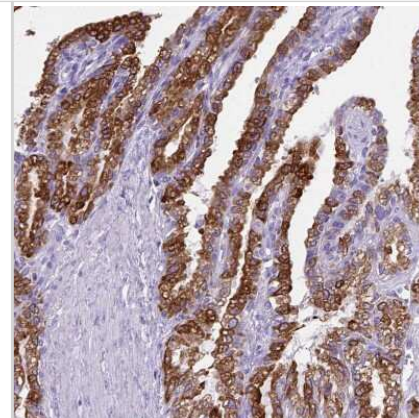
Immunohistochemistry-Paraffin: Prostaglandin E Synthase Antibody [NBP1-87852] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



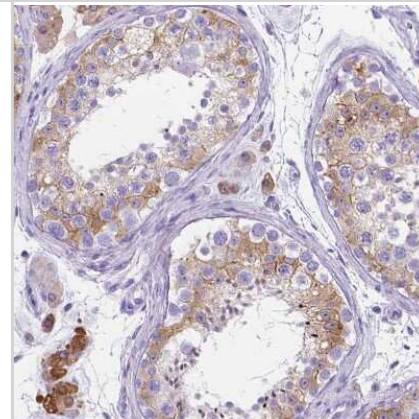
Immunohistochemistry-Paraffin: Prostaglandin E Synthase Antibody [NBP1-87852] - Staining of human placenta shows strong cytoplasmic positivity in decidual cells.



Immunohistochemistry-Paraffin: Prostaglandin E Synthase Antibody [NBP1-87852] - Staining of human seminal vesicle shows strong membranous and cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Prostaglandin E Synthase Antibody [NBP1-87852] - Staining of human testis shows weak to moderate membranous and cytoplasmic positivity in cells in seminiferous ducts.



Publications

Toda K, Ueyama M, Tanaka S, et al. Ellagitannins from Punica granatum leaves suppress microsomal prostaglandin E synthase-1 expression and induce lung cancer cells to undergo apoptosis Biosci. Biotechnol. Biochem. 2019-12-22 [PMID: 31868102]

Kim SH, Roszik J, Cho SN et al. The COX2 effector microsomal PGE2 synthase-1 is a regulator of immunosuppression in cutaneous melanoma Clin. Cancer Res. 2018-12-11 [PMID: 30538110] (IHC-P, Human)

Yao L, Chen W, Han C, Wu T. Microsomal prostaglandin E synthase-1 (mPGES-1) protects against Fas-induced liver injury. Am. J. Physiol. Gastrointest. Liver Physiol. 2016-04-21 [PMID: 27102561] (IHC-P, Mouse)

Kim SH, Hashimoto Y, Cho SN et al. Microsomal PGE2 synthase-1 regulates melanoma cell survival and associates with melanoma disease progression. Pigment Cell Melanoma Res. 2016-01-23 [PMID: 26801201] (IHC-P, Human)

Dilme JF, Solo -Villo D, Bellmunt S et al. Active Smoking Increases Microsomal PGE2-Synthase-1/PGE-Receptor-4 Axis in Human Abdominal Aortic Aneurysms. Mediators Inflamm 2014-01-01 [PMID: 24876670] (IF/IHC, Human)

Camacho M, Dilme J, Solo -Villo D et al. Microvascular COX-2/mPGES-1/EP-4 axis in human abdominal aortic aneurysm. J Lipid Res 2013-12-01 [PMID: 24133193] (IF/IHC, Human)



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Products Related to NBP1-87852

NBP1-87852PEP	Prostaglandin E Synthase Recombinant Protein Antigen
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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