abcam

Product datasheet

Anti-PTGER3 antibody - Cytoplasmic domain ab189131

2 References 1 Image

Overview

Product name	Anti-PTGER3 antibody - Cytoplasmic domain
Description	Rabbit polyclonal to PTGER3 - Cytoplasmic domain
Host species	Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other Human proteins.
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Monkey, Gorilla, Bat
Immunogen	Synthetic peptide within Human PTGER3. The exact sequence is proprietary. The synthetic peptide corresponds to 17 amino acids from the first cytoplasmic domain. Database link: **P43115**
Positive control	Human breast tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab189131 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 3 µg/ml.

Target

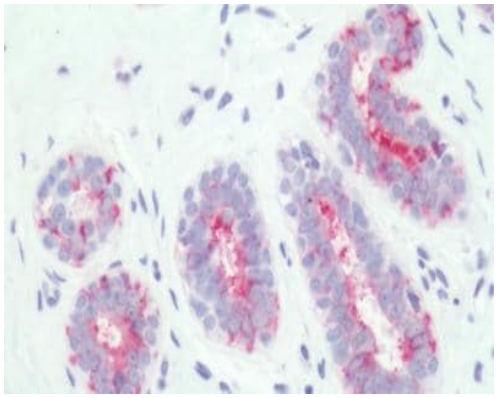
Function Receptor for prostaglandin E2 (PGE2); the EP3 receptor may be involved in inhibition of gastric acid secretion, modulation of neurotransmitter release in central and peripheral neurons, inhibition of sodium and water reabsorption in kidney tubulus and contraction in uterine smooth muscle. The activity of this receptor can couple to both the inhibition of adenylate cyclase mediated by G-I proteins, and to an elevation of intracellular calcium. The various isoforms have identical ligand binding properties but can interact with different second messenger systems.

Tissue specificity Expressed in small intestine, heart, pancreas, gastric fundic mucosa, mammary artery and pulmonary vessels.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.

Cellular localization Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTGER3 antibody - Cytoplasmic domain (ab189131)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human breast tissue, labeling PTGER3 using ab189131 at 3 µg/ml.

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