

Product datasheet

Anti-GPCR GPR43 antibody ab124272

3 References 2 Images

Overview

Product name	Anti-GPCR GPR43 antibody
Description	Rabbit polyclonal to GPCR GPR43
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human, African green monkey
Immunogen	Synthetic peptide conjugated to KLH, corresponding to the C terminal region of Human GPCR GPR43.
Positive control	Human tonsil tissue; COS7 cells
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 0.88% Sodium chloride, 50% Glycerol (glycerin, glycerine), 49% PBS</p> <p>PBS is without Mg²⁺ and Ca²⁺</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab124272 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 5 µg/ml.
ICC/IF		1/100 - 1/500.

Target

Function

Receptor for short chain fatty acids through a G(i)-protein-mediated inhibition of adenylyl cyclase and elevation of intracellular calcium. The rank order of potency for agonists of this receptor is acetate= propionate = butyrate > pentanoate = formate.

Tissue specificity

Expressed at relatively high levels in peripheral blood leukocytes and, to lesser, extent, in spleen.

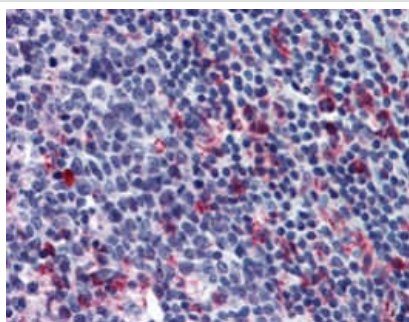
Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

Cellular localization

Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GPCR GPR43 antibody (ab124272)

ab124272, at 5 µg/ml, staining GPCR GPR43 in formalin fixed, embedded Human tonsil tissue by Immunohistochemistry.



Immunocytochemistry/ Immunofluorescence - Anti-GPCR GPR43 antibody (ab124272)

ab124272, at a 1/100 dilution, staining GPCR GPR43 in COS7 cells by immunofluorescence.

The image on the right is treated with the synthesized peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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