Product datasheet

Anti-GPCR GPR43 antibody ab124272

Overview

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

Properties

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

Applications

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td>1/1000.</td>
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<tr>
<td>IHC-P</td>
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<td>Use a concentration of 5 µg/ml.</td>
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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

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 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.

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

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