10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GPR174 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16459b

Specification

GPR174 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9BXC1
Other Accession	NP_115942.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38503**
Antigen Region	**283-310**

GPR174 Antibody (C-term) - Additional Information

Gene ID 84636

Other Names
Probable G-protein coupled receptor 174, GPR174

Target/Specificity
This GPR174 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-310 amino acids from the C-terminal region of human GPR174.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GPR174 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR174 Antibody (C-term) - Protein Information

Name GPR174

Function G-protein-coupled receptor of lysophosphatidylserine (LysoPS) that plays different roles

in immune response (PubMed:36823105). Plays a negative role in regulatory T-cell accumulation and homeostasis. Under inflammatory conditions where LysoPS production increases, contributes to the down-regulation of regulatory T-cell activity to favor effector response. Mediates the suppression of IL-2 production in activated T-lymphocytes leading to inhibition of growth, proliferation and differentiation of T-cells. Mechanistically, acts via G(s)- containing heterotrimeric G proteins to trigger elevated cyclic AMP levels and protein kinase A/PKA activity, which may in turn act to antagonize proximal TCR signaling. Plays an important role in the initial period of sepsis through the regulation of macrophage polarization and pro- and anti-inflammatory cytokine secretions. Upon testosterone treatment, acts as a receptor for CCL21 and subsequently triggers through G(q)-alpha and G(12)/G(13) proteins a calcium flux leading to chemotactic effects on activated B-cells. Signals via GNA13 and PKA to promote CD86 up-regulation by follicular B-cells.

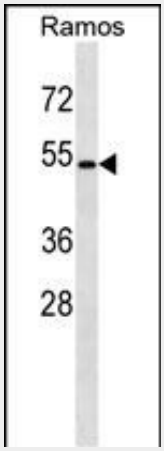
Cellular Location
Cell membrane; Multi-pass membrane protein.

GPR174 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPR174 Antibody (C-term) - Images



GPR174 Antibody (C-term) (Cat. #AP16459b) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the GPR174 antibody detected the GPR174 protein (arrow).

GPR174 Antibody (C-term) - Background

Putative receptor for purines coupled to G-proteins (By similarity).

GPR174 Antibody (C-term) - References

Takeda, S., et al. FEBS Lett. 520 (1-3), 97-101 (2002) :