

**GPR174 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51239****Specification**

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**GPR174 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9BXC1</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39 KDa

**GPR174 Antibody - Additional Information****Gene ID** 84636**Other Names**

Probable G-protein coupled receptor 174, GPR174

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**GPR174 Antibody - Protein Information****Name** GPR174**Function**

G-protein-coupled receptor of lysophosphatidylserine (LysoPS) that plays different roles in immune response (PubMed: <a href="http://www.uniprot.org/citations/36823105" target="\_blank">36823105</a>). 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 - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GPR174 Antibody - Images****GPR174 Antibody - Background**

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

**GPR174 Antibody - References**

Wang Y.-G., et al. Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.  
Takeda S., et al. FEBS Lett. 520:97-101(2002).  
Warren C.N., et al. Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.  
Ross M.T., et al. Nature 434:325-337(2005).