

GPR174 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10109**Specification**

GPR174 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P, E
Primary Accession	Q9BXC1
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa
Dilution	IHC-P~~N/A E~~N/A

GPR174 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 84636**Other Names**

Probable G-protein coupled receptor 174, GPR174

Target/Specificity

Human GPR174. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR174 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR174 Antibody (Cytoplasmic Domain) - 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.

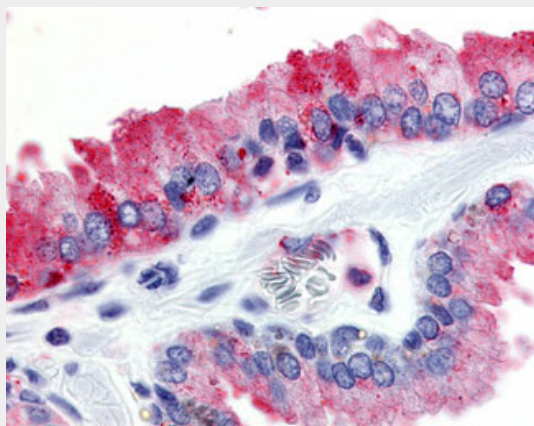
Volume

50 µl

GPR174 Antibody (Cytoplasmic Domain) - 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 (Cytoplasmic Domain) - Images

Anti-GPR174 antibody ALS10109 IHC of human prostate.

GPR174 Antibody (Cytoplasmic Domain) - Background

Putative receptor for purines coupled to G-proteins.

GPR174 Antibody (Cytoplasmic Domain) - 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).