

ADGRG3 / GPR97 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10689**Specification****ADGRG3 / GPR97 Antibody (Extracellular Domain) - Product Information**

Application	IHC-P
Primary Accession	Q86Y34
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61kDa KDa
Dilution	IHC-P ~ N/A

ADGRG3 / GPR97 Antibody (Extracellular Domain) - Additional Information**Gene ID** 222487**Other Names**

Probable G-protein coupled receptor 97, G-protein coupled receptor PGR26, GPR97, PGR26

Target/Specificity

Human GPR97. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

ADGRG3 / GPR97 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

ADGRG3 / GPR97 Antibody (Extracellular Domain) - Protein Information**Name** ADGRG3 ([HGNC:13728](#))**Synonyms** GPR97, PGR26**Function**

Adhesion G-protein-coupled receptor (aGPCR) that plays a role in the regulation of various processes including B-cell development, inflammation or innate immunity. Acts upon activation by ligands including glucocorticoid hormones such as cortisol, cortisone and 11- deoxycortisol (PubMed:33408414). Regulates migration of lymphatic endothelial cells in vitro via the small GTPases RhoA and CDC42 (PubMed:24178298). Seems to signal through G-alpha(q)-proteins (PubMed:22575658). Provides basal Galphas/cAMP-mediated signal transduction, which has been shown to inhibit NF-kappa-B

transcriptional activity. Antibody ligation leads to the production and activation of antimicrobial mediators like reactive oxygen species (ROS) and myeloperoxidase (MPO) as well as enhanced bacteria uptake and killing by granulocytes (PubMed:30559745). Additionally, collaborates with protease-activated receptor 2/PAR2 to stimulate neutrophil-driven antimicrobial responses and endothelial cell activation (PubMed:36302784).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in cultured primary dermal lymphatic endothelial cells (PubMed:24178298). Highly expressed in polymorphonuclear cells (PMNs) including neutrophilic, eosinophilic, and basophilic granulocytes (PubMed:30559745)

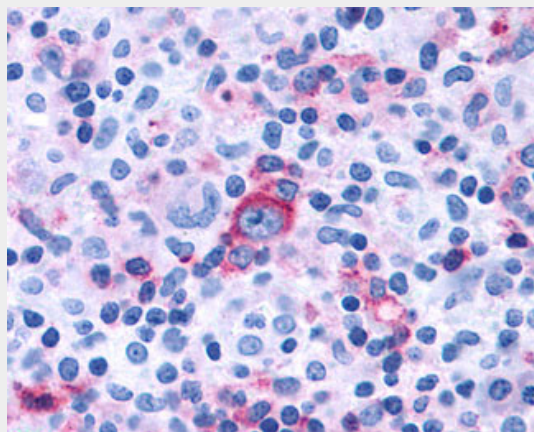
Volume

50 µl

ADGRG3 / GPR97 Antibody (Extracellular 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](#)

ADGRG3 / GPR97 Antibody (Extracellular Domain) - Images

Anti-GPR97 antibody IHC of human Lymph Node, Hodgkins Lymphoma.

ADGRG3 / GPR97 Antibody (Extracellular Domain) - Background

Orphan receptor.

ADGRG3 / GPR97 Antibody (Extracellular Domain) - References

Okaze H.,et al.Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
Fredriksson R.,et al.FEBS Lett. 531:407-414(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).
Vassilatis D.K.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:4903-4908(2003).