

Anti-BOB / GPR15 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody Catalog # ALS17543

Specification

Anti-BOB / GPR15 Antibody (C-Terminus) - Product Information

Application IHC-P, E
Primary Accession P49685
Predicted Human
Host Rabbit
Clonality Polyclonal
Calculated MW 40787
Dilution IHC-P~~N/A
E~~N/A

Anti-BOB / GPR15 Antibody (C-Terminus) - Additional Information

Gene ID 2838

Alias Symbol GPR15

Other Names

GPR15, Brother of Bonzo, G protein-coupled receptor 15, G-protein coupled receptor 15, BOB, Gpr-15

Target/Specificity

Human GPR15. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Immunoaffinity purified

Precautions

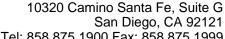
Anti-BOB / GPR15 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-BOB / GPR15 Antibody (C-Terminus) - Protein Information

Name GPR15

Function

G protein-coupled receptor that plays an important role in immune homeostasis (PubMed:33758080, PubMed:38918398). Acts via its natural ligand GPR15LG, a chemokine-like polypeptide strongly expressed in gastrointestinal tissues. GPR15-GPR15LG signaling axis regulates intestinal homeostasis and inflammation through the migration of immune cells (PubMed:33758080, PubMed:38918398). Controls thereby the specific homing of T-cells, particularly







FOXP3+ regulatory T-cells (Tregs), to the large intestine lamina propria (By similarity). Also required for skin localization of thymus-derived dendritic epidermal T-cells (By similarity). Plays an important role in mediating cytoprotective function as well as angiogenesis of thrombomodulin (By similarity). Mechanistically, preferentially signals through the Gi/o pathway to inhibit adenylate cyclase activity and activate a phosphatidylinositol- calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores (PubMed:35510660).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in lymphoid tissues, including macrophages and peripheral blood mononuclear cells

Anti-BOB / GPR15 Antibody (C-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-BOB / GPR15 Antibody (C-Terminus) - Images