

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

Rabbit Anti Human Polyclonal Antibody Catalog # ALS17543

## **Product Information**

Application IHC-P, E
Primary Accession P49685
Predicted Human
Host Rabbit
Clonality Polyclonal
Calculated MW 40787
Concentration (mg/ml) 1 mg/ml

## **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.

## **Protein Information**

Name GPR15

**Function** G protein-coupled receptor that plays an important role in immune

homeostasis (PubMed:<u>33758080</u>, PubMed:<u>38918398</u>). 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:<u>33758080</u>, PubMed:<u>38918398</u>). 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

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.