

GPR15 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51956**Specification**

GPR15 Antibody - Product Information

Application	WB
Primary Accession	P49685
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41 KDa
Antigen Region	211 - 270

GPR15 Antibody - Additional Information**Gene ID** 2838**Other Names**

G-protein coupled receptor 15, Brother of Bonzo, BoB, GPR15

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR15. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

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

GPR15 Antibody - Protein Information**Name** GPR15**Function**

G protein-coupled receptor that plays an important role in immune homeostasis (PubMed: [33758080](http://www.uniprot.org/citations/33758080), PubMed: [38918398](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/33758080), PubMed: [38918398](http://www.uniprot.org/citations/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

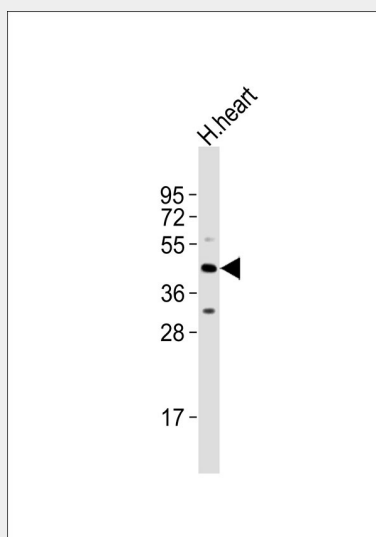
Highly expressed in lymphoid tissues, including macrophages and peripheral blood mononuclear cells

GPR15 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](#)

GPR15 Antibody - Images



Anti-GPR15 Antibody at 1:1000 dilution + human heart lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

GPR15 Antibody - Background

Probable chemokine receptor. Alternative coreceptor with CD4 for HIV-1 infection.

GPR15 Antibody - References

Heiber M., et al. Genomics 32:462-465(1996).