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GPR15 Polyclonal Antibody

Catalog # AP70161

Product Information

Application	WB, IF, ICC, E
Primary Accession	P49685
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40787

Additional Information

Gene ID	2838
Other Names	GPR15; G-protein coupled receptor 15; Brother of Bonzo; BoB
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

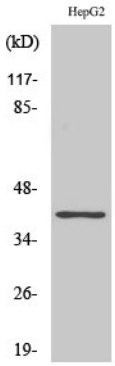
Name	GPR15
Function	G protein-coupled receptor that plays an important role in immune homeostasis (PubMed:33758080, PubMed:38918398). Acts via its natural ligand GPR15LG, a chemokine-like polypeptide strongly expressed in gastrointestinal tissues. GPR15-GPR15LG signaling axis regulates intestinal homeostasis 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

Background

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

Images



Western Blot analysis of various cells using GPR15 Polyclonal Antibody

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