

Anti-GPR2/CCR10 Antibody
Catalog # ABO10810**Specification****Anti-GPR2/CCR10 Antibody - Product Information**

Application	WB
Primary Accession	P46092
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for C-C chemokine receptor type 10(CCR10) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-GPR2/CCR10 Antibody - Additional Information

Gene ID 2826

Other Names

C-C chemokine receptor type 10, C-C CKR-10, CC-CKR-10, CCR-10, G-protein coupled receptor 2, CCR10, GPR2

Calculated MW

38416 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

Expressed at high levels in adult testis, small intestine, fetal lung, fetal kidney. Weaker expression was observed in many other adult tissues including spleen, thymus, lymph node, Peyer patches, colon, heart, ovary, peripheral blood lymphocytes, thyroid and spinal cord. Also expressed by melanocytes, dermal fibroblasts, dermal microvascular endothelial cells. Also detected in T-cells and in skin-derived Langerhans cells. .

Protein Name

C-C chemokine receptor type 10(C-C CKR-10/CC-CKR-10/CCR-10)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human GPR2/CCR10(312-327aa FLGLRFRQDLRRLRG), different from the related rat and mouse sequences by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the G-protein coupled receptor 1 family.

Anti-GPR2/CCR10 Antibody - Protein Information

Name CCR10

Synonyms GPR2

Function

Receptor for chemokines SCYA27 and SCYA28. Subsequently transduces a signal by increasing the intracellular calcium ions level and stimulates chemotaxis in a pre-B cell line.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

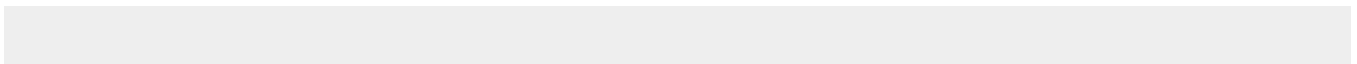
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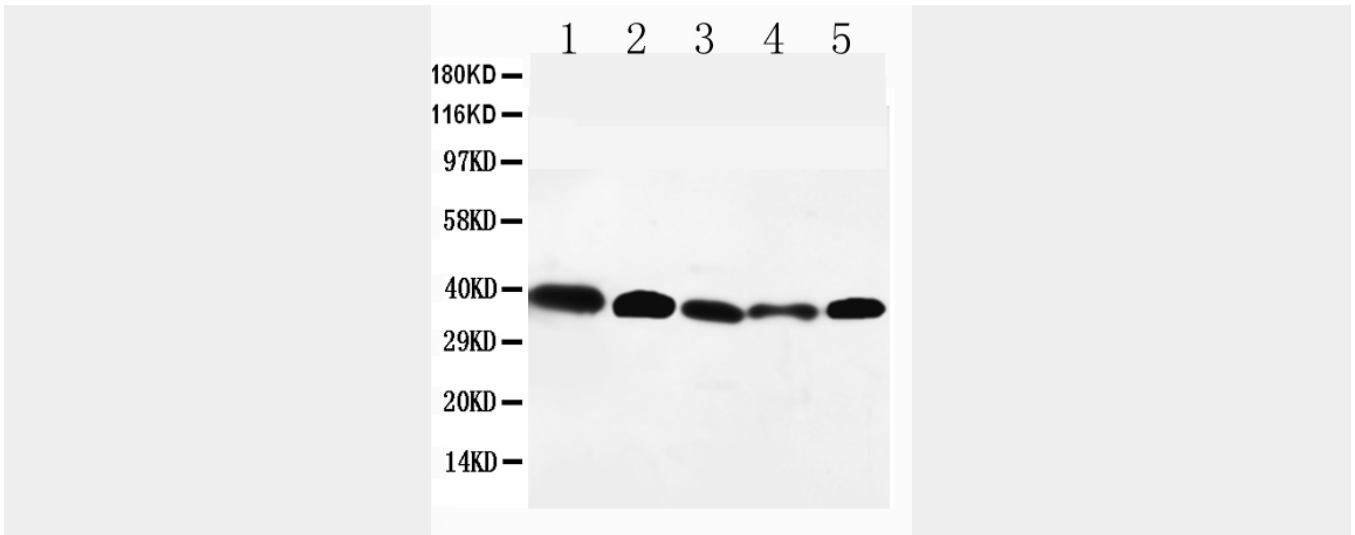
Anti-GPR2/CCR10 Antibody - Protocols

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](#)

Anti-GPR2/CCR10 Antibody - Images





Anti-GPR2/CCR10 antibody, ABO10810, Western blotting Lane 1: HELA Cell Lysate Lane 2: SW620 Cell Lysate Lane 3: A549 Cell Lysate Lane 4: MM231 Cell Lysate Lane 5: SMMC Cell Lysate

Anti-GPR2/CCR10 Antibody - Background

CCR10, C-C chemokine receptor type 10 is a protein that in humans is encoded by the CCR10 gene. CCR10 is constitutively expressed in skin melanocytes, fibroblasts, and microvascular endothelial cells, and that it is upregulated by IL1B and TNF. Expression was also detected in T cells, Langerhans cells, and peripheral blood mononuclear cells but not in dendritic cells. By fluorescence in situ hybridization, the GPR2 gene is mapped to 17q21.1-q21.3. CCR10 is the receptor for CCL27. CCR10-CCL27 interactions are involved in T cell-mediated skin inflammation. expression of CCL27 in normal keratinocytes and its strong upregulation in skin lesions of atopic dermatitis, contact dermatitis, and psoriasis patients. CCR10+ T lymphocytes were detected in lesional but not normal skin of these patients. Flow cytometric analysis showed that CCL27 binds extracellular matrix components and dermal microvascular endothelial cells and fibroblasts and mediates adhesion and transendothelial migration of CCR10+ circulating leukocytes. CCR10 is predominantly expressed on CD4+CLA+(cutaneous lymphocyte antigen), rather than CD8+, circulating T cells. RT-PCR, confocal microscopy, and ELISA analysis indicated that keratinocytes exposed to TNF or IL1B but not to IL4 or IFNG in vitro express increased CCL27.