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CCR10 Rabbit pAb

Catalog # AP98328

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P46092
Other Accession	P46092
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38416
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCR-10
Epitope Specificity	1-52/362
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CCR10 is the receptor for CCL27 (SCYA27; MIM 604833); CCR10-CCL27 interactions are involved in T cell-mediated skin inflammation (Homey et al., 2002 [PubMed 11821900]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	2826
Other Names	GPR2; C-C CKR-10; CC-CKR-10; CCR-10; Cmkbr9; CCR10_HUMAN; CCR10; G-protein coupled receptor 2; CCR10_MOUSE; Chemokine C-C receptor 9; C-C motif chemokine receptor 10; G protein-coupled receptor 2; chemokine (C-C motif) receptor 10
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=5 □g/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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	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.

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