

Rabbit anti-Human CKR-6 Polyclonal Antibody | anti-CKR-6 antibody

CKR-6 Polyclonal Antibody

CATALOG # AAA296438	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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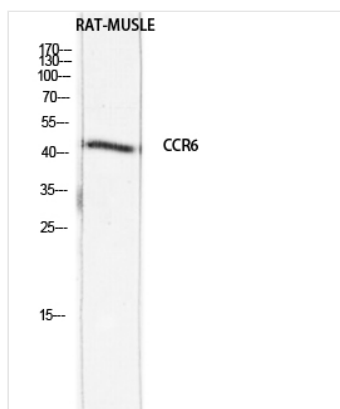
PRODUCT SYNONYMS

CKR-6; Polyclonal Antibody; CKR-6 Polyclonal Antibody; CCR6; CKRL3; CMKBR6; GPR29; STRL22; C-C chemokine receptor type 6; C-C CKR-6; CC-CKR-6; CCR-6; Chemokine receptor-like 3; CKR-L3; DRY6; G-protein coupled receptor 29; GPR-CY4; GPRCY4; LARC receptor; CD196; anti-CKR-6 antibody

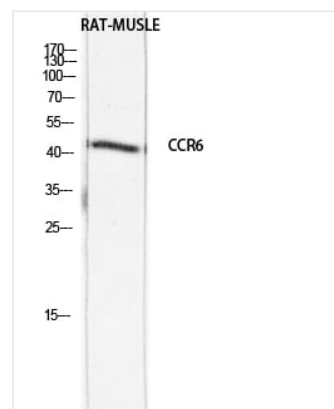
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Applicable Applications for anti-CKR-6 antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

Related Product Information for anti-CKR-6 antibody	Receptor for the C-C type chemokine CCL20 (PubMed:9169459). Binds to CCL20 and subsequently transduces a signal by increasing the intracellular calcium ion levels (PubMed:20068036). Although CCL20 is its major ligand it can also act as a receptor for non-chemokine ligands such as beta-defensins (PubMed:25585877). Binds to defensin DEFB1 leading to increase in intracellular calcium ions and cAMP levels. Its binding to DEFB1 is essential for the function of DEFB1 in regulating sperm motility and bactericidal activity (PubMed:25122636). Binds to defensins DEFB4 and DEFB4A/B and mediates their chemotactic effects (PubMed:20068036). The ligand-receptor pair CCL20-CCR6 is responsible for the chemotaxis of dendritic cells (DC), effector/ memory T-cells and B-cells and plays an important role at skin and mucosal surfaces under homeostatic and inflammatory conditions, as well as in pathology, including cancer and various autoimmune diseases. CCR6-mediated signals are essential for immune responses to microbes in the intestinal mucosa and in the modulation of inflammatory responses initiated by tissue insult and trauma (PubMed:21376174). CCR6 is essential for the recruitment of both the proinflammatory IL17 producing helper T-cells (Th17) and the regulatory T-cells (Treg) to sites of inflammation. Required for the normal migration of Th17 cells in Peyers-patches and other related tissue sites of the intestine and plays a role in regulating effector T-cell balance and distribution in inflamed intestine. Plays an important role in the coordination of early thymocyte precursor migration events important for normal subsequent thymocyte precursor development, but is not required for the formation of normal thymic natural regulatory T-cells (nTregs). Required for optimal differentiation of DN2 and DN3 thymocyte precursors. Essential for B-cell localization in the subepithelial dome of Peyers-patches and for efficient B-cell isotype switching to IgA in the Peyer's-patches. Essential for appropriate anatomical distribution of memory B-cells in the spleen and for the secondary recall response of memory B-cells (By similarity). Positively regulates sperm motility and chemotaxis via its binding to CCL20 (PubMed:23765988).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37188165
NCBI GeneID	1235
NCBI Accession #	NP_113597.2
NCBI GenBank Nucleotide #	NM_031409.3
UniProt Accession #	P51684; P78553; Q92846; E1P5C6
Molecular Weight	42,494 Da
NCBI Official Full Name	C-C chemokine receptor type 6
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 6
NCBI Official Symbol	CCR6
NCBI Official Synonym Symbols	BN-1; DCR2; DRY6; CCR-6; CD196; CKRL3; GPR29; CKR-L3; CMKBR6; GPRCY4; STRL22; CC-CKR-6; C-C CKR-6
NCBI Protein Information	C-C chemokine receptor type 6; LARC receptor; chemokine receptor-like 3; chemokine (C-C) receptor 6; G protein-coupled receptor 29; G-protein coupled receptor 29; seven-transmembrane receptor, lymphocyte, 22
UniProt Protein Name	C-C chemokine receptor type 6
UniProt Gene Name	CCR6
UniProt Synonym Gene Names	CKRL3; CMKBR6; GPR29; STRL22; C-C CKR-6; CC-CKR-6; CCR-6; CKR-L3; GPRCY4
UniProt Entry Name	CCR6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.